GHADEER INC (M) SDN. BHD.
COMPANY PROFILE



NURTURING THE GREEN NATURE

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How our Company came to existence?

"It was a hot summer day and I was on a visit to Pakistan. I saw an aged farmer labouring in his fields with some basic tools. I asked him "are you getting enough from the land for sustenance?" He replied that some years back whatever he produced from the land was enough for his small family but now more family members have been added therefore it has become difficult to survive. The very moment I decided to dedicate my time and services to develop such products that not only help the land to produce extra yield but also keep it environmentally fit and hazard free."

Zulfiqar Ali Khan, Managing Director



“Earth and sky, woods and fields, lakes and rivers, the mountain and the sea, are excellent schoolmasters, and teach some of us more than we can ever learn from books”



1.0 PROFILE

1.1 The Company:

Ghadeer Inc (M) Sdn. Bhd. is a leading manufacturer of environmentally-friendly liquid fertilizer products that are designed to promote healthy plant growth. Our products provide an optimal combination of both macro and micro nutrients, making them rich and effective for plant growth. Our company, based in Malaysia, operates globally through various representatives, agents, and distributors. Government of Malaysia (MATRADE) selected Ghadeer Inc (M) Sdn. Bhd. as the sole representative for the fertilizer sector in the 13th OIC Exhibition 2011 in Sharjah, United Arab Emirates. We are registered vendor in the fertilizer sector with the UN Global Market (UNGM), bearing registration No. 358151. Our flagship product "GreenShine Fertilizer" has been certified by the renowned certification company SGS Malaysia/Taiwan and Eurofins, Malaysia as environmentally-friendly and free from any hazardous elements, making it suitable for the European REACH Programme. **FRIM (Forest Research Institute Malaysia)** Tested our products are completely free from pathogens — including zero detection of E. coli and Salmonella — and safe from hazardous heavy metals, with all tested elements within safe limits; for example, lead measured at just 0.37 mg/kg, well below Malaysia's 2 mg/kg legal limit (Food Act 1983), EU Regulation 2023/915 thresholds, and EFSA's neurodevelopmental safety benchmark.

1.2 Products

Our company manufactures liquid fertilizers that are environmentally friendly and contain high levels of NPK and trace elements. All elements and nutrients in our fertilizers are food grade and are fully absorbed by plants, leaving no residue in the soil, which makes our products safe and sustainable for both the soil and biodiversity. Our liquid fertilizers are designed to be easy to use and have a long shelf life, ensuring their effectiveness over time.

1.3 Liquid Fertilizers:

Liquid fertilizers can help promote food security in the face of an increasing global population, while minimizing negative impacts on the environment. Their higher nutrient concentration and efficiency make them a more environmentally friendly alternative to traditional fertilizers. They can increase crop yields and support sustainable agriculture, ultimately helping to protect the environment and ensure food security for future generations.

1.4 Commitment to the Society

As a company that deeply values the environment, we believe our planet must be nurtured and protected to sustain all forms of life. We actively encourage our business partners and suppliers to adopt equally high standards of environmental performance. Guided by the timeless wisdom that we do not inherit the earth from our ancestors — we borrow it from our children — we are dedicated to returning it healthy, thriving, and full of possibility for generations to come.

2.0 Key Achievements

- **100% Bio-Absorbable Formulation:** Successfully developed high-performance liquid formulations that are 100% absorbable without sediment or sludge formation, delivering a perfectly balanced combination of macro and micro-nutrients engineered for rapid, sustained growth in plants, crops, livestock, and poultry.
- **EU REACH Compliance Testing: Eurofins** and **SGS (Taiwan / Malaysia)** tested our products for European Standard REACH (Substances of Very High Concern - SVHC) compliance, confirming that the formulations are completely free from environmentally hazardous elements.
- **Pathogen Safety Testing: FRIM (Forest Research Institute Malaysia)** tested our products for microbiological contamination and confirmed zero detection of pathogens (*E. coli* and *Salmonella* negative). This confirms our products are safe for livestock/poultry drinking water and crop application, avoiding the biological contamination risks common in traditional organic fertilizers.
- **Heavy Metal Trace Analysis: FRIM (Forest Research Institute Malaysia)** further tested our products for heavy metal concentrations, confirming all elements are well within safe regulatory limits. For instance, Lead (Pb) was detected at a negligible trace level of **0.37 mg/kg**—significantly below the **2.0 mg/kg** limit set by the Malaysian Food Act 1983 & Food Regulations 1985, well within **EU Regulation 2023/915** thresholds, and far below the European Food Safety Authority (EFSA) neurodevelopmental safety benchmark (0.5 µg/kg bw/day).
- **Soil Deficit Recovery in Putrajaya, Malaysia:** Successfully rejuvenated landscape vegetation in Putrajaya that had failed to respond to conventional granular fertilizers due to topsoil stripping during construction land prep. GreenShine application demonstrated rapid nutrient absorption with zero leaching losses, preventing nutrient runoff and mitigating lake eutrophication.
- **Historical Olive Tree Yield Breakthrough:** Converted non-fruiting olive trees into fruit-bearing trees at the Pakistan Agricultural Research Council (PARC) in Islamabad. The olive trees had produced no flowers or fruit for over 20 years despite numerous conventional treatments until GreenShine was applied.
- **National Trade Selection by MATRADE:** Selected as the **sole representative for the fertilizer sector** by the Government of Malaysia (MATRADE) to represent the nation at the 13th OIC Exhibition in Sharjah, United Arab Emirates.

3.0 Product List

3.1 Manufacturing (In production)

Brand	N	P	K	Trace Elements
GSF Haryali	20	8	10	Yes
GSF Barakah	10	8	20	Yes
GSF Aab-o-Dana	10	25	5	Yes
GSF Combo	13	13	23	Yes

3.2 GreenShine Fertilizer – Haryali

GSF-Haryali NPK (20:08:10) + T.E. (Formerly known as GSF-2)
GSF-Haryali (AmberGreen in color) is designed for the **young, immature, and first half life cycle** of plants, crops, and trees, as well as the **brooding and early growing stages of livestock and poultry**.

AGRICULTURAL BENEFITS & CROP PERFORMANCE:

GSF-Haryali is a nitrogenous-rich liquid formulation (**20% Nitrogen w/v**) that accelerates plant growth manifold in the early stages of plant life. Nitrogen provides plants with the ability to produce more chlorophyll, resulting in dark green vegetative growth. Combined with other macro and micro-nutrients, it creates essential enzymes, proteins, and genetic material—serving as the primary chemical element required in the largest amounts by all plant life. GSF-Haryali drives rapid development, increasing seed/fruit production potential and significantly improving the quality of leaf and forage crops. GSF-Haryali is also applied in the second half life cycle of crops that do not produce flowers or fruits (such as turf grass, forage pastures, and leafy green vegetables) to sustain continuous, rapid vegetative growth.

Livestock & Poultry Application & Manure NPK Enrichment:

Administered in drinking water during the brooding and early growing stages (**0.5 mL to 1.0 mL per 1000 mL of clean water**), GSF-Haryali supports early chick vitality, muscular growth, and feed conversion efficiency. Furthermore, through Ghadeer Inc.'s **proprietary fact-finding research**, drinking water administration during early growth stages enriches the resulting **chicken dung and cow dung** with higher active Nitrogen and organic nutrients. Fecal excretion filters absorbed food-grade nitrogen compounds, converting young flock and herd manure into a high-nitrogen organic soil conditioner for crop farming.

GSF HARYALI CHEMICAL COMPOSITION

SGS

TEST PARAMETERS			TEST METHODS	RESULTS	
Nitrogen N,	%	w/v	KJEDAHL	21.6	(Two one decimal six)
Phosphorus as P_2O_5	%	w/v	COLORIMETRIC	8.07	(Eight decimal zero-seven)
Potassium as K_2O	%	w/v	AAS	14.3	(One four decimal three)
Manganese, Mn	%	w/v	AAS	0.023	(Zero decimal zero-two-three)
Zinc, Zn	%	w/v	AAS	0.008	(Zero decimal zero-zero-eight)
Copper, Cu	%	w/v	AAS	0.012	(Zero decimal zero-one-two)
Boron, B	%	w/v	AAS	0.060	(Zero decimal zero-six-zero)
Density		g/mL	GRAVIMETRIC	1.28	(One decimal two-eight)

3.3 GreenShine Fertilizer - Barakah

GSF-Barakah NPK (10:12:20) + T.E (Formerly known as GSF-1)

GSF-Barakah (Amber Green in color) is a specialized liquid formulation engineered for the **Maturing Stage, Flowering, and Fruiting stages** of crops, fruit-bearing plants, and trees, as well as the **maturing and finishing stages of livestock and poultry**.

Agricultural Benefits & Crop Performance:

The product is exceptionally high in bio-available **Potassium (20% w/v)**, an essential macro-nutrient for plant metabolic regulation and physical structure. Potassium is vital to food crops, enhancing fruit size, weight, color, sugar accumulation, and post-harvest shelf life for consumers. When plants suffer from Potassium deficiency, symptoms include stunted growth, weak stems, poor flower development, and lower crop yields. Potassium deficiency also increases vulnerability to drought, wind, and heat stress. GSF-Barakah regulates growth so harvested fruits, crops, and flowers are fully formed, high-quality, and resilient. Using GSF-Barakah near the flowering and fruiting stage enhances crop yield manifold.

Livestock & Poultry Application & Manure NPK Enrichment:

Administered in drinking water during the maturing and finishing stages (**0.5 mL to 1.0 mL per 1000 mL of clean water**), GSF-Barakah optimizes metabolic nutrient assimilation, body weight gain, and flock/herd vitality. More importantly, through Ghadeer Inc.'s **proprietary fact-finding research**, drinking water administration enriches the resulting **chicken dung and cow dung** with higher active **Nitrogen (N), Phosphorus (P_2O_5), and Potassium (K_2O)** levels. Fecal excretion filters excess bio-available minerals, converting raw animal manure into high-value organic fertilizer that serves as an exceptional nutrient source for crop farming, creating a highly sustainable closed-loop agricultural bio-economy.

GSF-Barakah chemical composition:

SGS

TEST PARAMETERS			TEST METHODS	RESULTS	
Nitrogen N,	%	w/v	KJEDAHL	10.3	(One zero decimal three)
Phosphorus as P_2O_5	%	w/v	COLORIMETRIC	6.99	(Six decimal nine-nine)
Potassium as K_2O	%	w/v	AAS	18.7	(One eight decimal seven)
Manganese, Mn	%	w/v	AAS	0.021	(Zero decimal zero-two-one)
Zinc, Zn	%	w/v	AAS	0.008	(Zero decimal zero-zero-eight)
Copper, Cu	%	w/v	AAS	0.011	(Zero decimal zero-one-one)
Boron, B	%	w/v	AAS	0.074	(Zero decimal zero-seven-four)
Density		g/mL	GRAVIMETRIC	1.26	(One decimal two-six)

3.4 GSF Aab-o-Dana: NPK (10:25:5) + T.E

GSF Aab-O-Dana (Amber Green in color) is an ideal food for **Aqua Life** and a miracle biological catalyst for marine and freshwater ecosystems. Formulated as a high-phosphorus NPK solution (**10:25:5 w/v**) enriched with chelated trace elements, it provides nutrient-rich food for fish in ponds, marine reservoirs, commercial fish farms, and shrimp aquaculture operations. It enhances natural pond fertility and serves as an extraordinary nutrient medium for controlled microalgae formation to obtain **Spirulina (*Arthrospira platensis*)**.

Marine Fish Ponds & Shrimp Aquaculture Benefits:

Phosphorus (**25% P2O5 w/v**) combined with lignosulphonate-chelated trace elements acts as an immediate biological catalyst for rapid microalgae bloom, diatoms, and beneficial phytoplankton proliferation. In **shrimp farming** (*Penaeus vannamei* and Black Tiger Shrimp) and **marine/freshwater fish ponds**, this natural algal bloom provides a continuous, highly digestible natural live feed rich in protein, essential fatty acids, and natural pigments. This significantly boosts shrimp post-larvae (PL) and fish fry survival rates, improves carapace formation, accelerates daily weight gain, and dramatically reduces dependence on expensive synthetic commercial feeds, lowering overall Feed Conversion Ratio (FCR).

Spirulina Cultivation & Eco-System Balance:

GSF Aab-O-Dana serves as an extraordinary miracle nutrient catalyst for the rapid cultivation of **Spirulina (*Arthrospira platensis*)** in open raceway ponds and photobioreactors. Its precise NPK and chelated micronutrient ratio accelerates cellular division and protein synthesis in Spirulina cultures, producing dense, high-protein algal biomass. Unlike solid or granular fertilizers that sink to the pond bottom and decay—creating toxic anaerobic sludge, ammonia spikes, hydrogen sulfide gas, and oxygen depletion—Aab-O-Dana stays completely dissolved in the water column for clean, uniform uptake without compromising aquatic water quality.

3.5 GSF Combo: NPK (17:13:23) + T.E

GSF Combo is a high-potency **Crop Maximizer** and **Livestock Lactation Enhancer** formulated with an optimal ratio of activated Nitrogen (**17% w/v**), Phosphorus (**13% w/v**), and high Potassium (**23% w/v**) fortified with lignosulphonate-chelated trace elements. This specialized formulation is engineered for farmers and cattle livestock operations concerned about soil nutrient depletion, crop health degradation, low harvest yields, or depressed milk production in dairy herds.

Agricultural Crop Maximiser & Stress Recovery Benefits:

In crop production, GSF Combo directly corrects severe soil nutrient deficiencies and recovers crops suffering from environmental stress (such as heat, drought, waterlogging, or soil salinity). Nitrogen accelerates leaf canopy recovery, while high Potassium (**23%**) strengthens cell wall integrity, enhances osmotic water regulation, prevents fruit drop, and restores nutrient transport pathways. By addressing critical macro and micro-nutrient deficits, GSF Combo maximizes harvest yield, fruit weight, uniform size, and overall crop marketability.

Cattle Farming, Lactation Enhancer & Cow Dung NPK Enrichment:

When administered in drinking water to dairy cattle, cows, and lactating livestock (**0.5 mL to 1.0 mL per 1000 mL of clean drinking water**), GSF Combo acts as a powerful systemic lactation enhancer. High bio-available Potassium and chelated trace elements (Zinc, Copper, Manganese, Boron) optimize fluid balance, metabolic enzyme activity, and electrolyte transport required for milk synthesis. This leads to **increased daily milk yields**, improved milk butterfat/protein quality, faster postpartum recovery, and enhanced herd health. Furthermore, through Ghadeer Inc.'s **proprietary fact-finding research**, excess absorbed food-grade minerals filtered through bovine digestive pathways directly enrich the resulting **cow dung** with elevated active Nitrogen, Phosphorus, and Potassium levels—producing high-grade organic manure for farmland.

4.0 Composition of GreenShine Multi-Nutrient Fertilizer

Elements	**Source**
Nitrogen	Urea
Phosphorus	Potassium Phosphate
Potassium	Potassium Phosphate
Manganese	Manganese
Trace Elements	Lignosulphonate-chelated Iron, Manganese, Zinc, Copper. Boron and Molybdenum are also present.
Acids(if)	Humic and Fulvic Acids

Nitrogen (N)
Nitrogen is a part of all living cells and is a necessary part of all proteins, enzymes and metabolic processes involved in the synthesis and transfer of energy. Nitrogen is a part of chlorophyll, green pigment of plant that is responsible for photosynthesis

Phosphorus (P)
Like nitrogen, phosphorus (P) is an essential part of the process of photosynthesis. Involved in the formation of all oils, sugars, starches, etc. Helps with the transformation of solar energy into chemical energy; proper plant maturation; withstanding stress. Effects rapid growth. Encourages blooming and root growth.

Potassium (K)
Potassium is absorbed by plants in larger amounts than any other mineral element except nitrogen and, in some cases, calcium. Helps in the building of protein, photosynthesis, fruit quality and reduction of diseases.

Boron (B)
Helps in the use of nutrients and regulates other nutrients. Aids production of sugar and carbohydrates. Essential for seed and fruit development.

Copper (Cu)
Important for reproductive growth. Aids in root metabolism and helps in the utilization of proteins.

Manganese (Mn)
Functions with enzyme systems involved in breakdown of carbohydrates, and nitrogen metabolism.

Molybdenum (Mo) : Helps in the use of nitrogen

Zinc (Zn)
Essential for the transformation of carbohydrates. Regulates consumption of sugars. Part of the enzyme systems which regulate plant growth.

Humic and Fulvic Acids
Humic and Fulic Acids are also added to stimulate plant metabolic processes.

5.0 Benefits of GSF application.

GSF is a versatile liquid fertilizer with no hazardous elements that meets the nutritional needs of various plant species. It contains highly concentrated activated NPK and a well-balanced chemical composition of macro and micronutrients that are suitable for the plant, soil, and environment. When used, GSF can promote high yields and well-nurtured plants, resulting in fruits and produce rich in nutrients that are beneficial for end consumers

- It increases the yield by 25-40%.
- It enhances plant vigor, improve quality of crop products
- It enhances the ability of water absorption, maintenance, resistance to drought and cold.
- It enhances the resistance to pests and diseases and stresses.
- Effective soil amendment improving the development of roots.
- It recovers severely nutrient deficient plants or plants debilitated by pests and disease.
- It cures plants subjected to adverse soil conditions which impair nutrients uptake including prolonged periods of dry weather/water logging.
- Prevent wind erosion
- Filter out pollutants,
- Temperature Modification
- Rich Green Landscape, Stress Reduction
- Enhance overall beauty and liveability
- Beautiful, eye catching blooming flowers,
- Produce more oxygen and Carbon sequestration
- Provide a sound barrier and reduce noise pollution
- Provide shade and windbreaks which reduce energy costs
- Blooming Plants with multiple stems, full and taller.
- Enhance the look and feel of a property.
- Increase property values

6.0 GSF Trials and Experiments

GreenShine Fertilizer has been tested in Malaysia, Pakistan, UAE, Bangladesh, Saudi Arabia, Germany, India and many other countries. In Malaysia trial application of GSF was conducted in collaboration with Government Department for Development of Capital City, Putra Jaya. In Pakistan the trials were arranged with the collaboration of Pakistan Agriculture Research Council and WWF-Pakistan. Following is detail of trials.

6.1 Malaysia

The Management of Perbadanan informed us that the Plants at Putra Jaya, Malaysia are not well responding to number of Fertilizers because most of top soil has been removed for preparation of land for construction. We took this situation as challenge and start application of our product.

Plants given us for trial and experiment.

S.No.	Name of Plants
1.	Helianthus (Sunflower)
2.	Marigold
3.	Anthurium
4.	Mint
5	Bougainvillea
6.	Hibiscus

Type and composition rates applied

Application	GSF-Type	GSF(ml)/ltr	Total GSF for 10L of water	Date of Application
First	GSF Haryali	5	5	7th July
Second	GSF-Haryali	7	7	15th July
Third	GSF-Haryali	10	1	21st July
Fourth	GSF-Barakah	7	7	27th July
Fifth	GSF-Barakah	10	1	17 August

Per Plant Application

Total Number of Plants Treated = 37 Nos.
Average GSF applied/application/ltr = 7.8 ml
7.8ml/ltr x 10ltr = 78 ml GSF
78ml GSF for 37 plants = 2.1ml GSF per plant/application
Total GSF applied for 1 Plant = 2.1 ml/application/plant

After application of the GSF the plants were tested in Malaysia's renown Analytical Laboratory Especk and the following impact noted.

MARIGOLD	CONTROL/Plant				GSF/Plant				Control = 100% GSF = %?
	Stem	**Leaves**	**Flower**	**Total**	**Stem**	**Leaves**	**Flower**	**Total**	
Dry Weight (g)	0.6	0.9	1.3	2.8	3.2	2.9	3.5	9.7	245.0
Major Element (mg)									
Total N	1.7	4.5	4.4	10.5	9.4	17.5	16.9	43.9	316.0
P_2O_5	0.6	0.8	1.0	2.4	2.4	2.3	2.8	7.5	215.0
K_2O	5.7	9.3	6.2	21.3	27.3	27.7	16.5	71.6	235.8
CaO	0.5	3.1	1.0	4.6	4.1	11.3	2.4	17.8	285.3
MgO	0.1	0.3	0.5	0.9	0.7	0.9	1.1	2.8	220.7
S	0.6	1.0	0.5	2.1	1.9	2.1	1.3	5.4	152.2
Minor Element (mcg)									
B	1.4	4.9	4.0	10.3	7.4	15.1	9.8	32.3	213.9
Mn	Nd	3.3	Nd	3.3	5.9	32.2	4.1	42.2	1197.9
Cu	1.3	3.1	5.3	9.7	5.1	9.1	8.8	23.0	137.6
Fe	9.4	77.3	63.6	150.3	52.7	227.0	117.3	396.9	164.1
Zn	1.9	8.3	6.0	16.2	9.8	27.8	20.7	58.4	260.8

HELIANTHUS	CONTROL/Plant	GSF/Plant				Control = 100% GSF = %?
	Total (Stem, Leaves, Flower)	Stem	Leaves	Flower	Total	
Dry Weight (g)	2.4	2.0	1.7	5.9	9.5	296.9
Major Element (mg)						
Total N	14.9	6.3	10.4	40.7	57.4	286.0
P_2O_5	3.5	2.4	1.3	8.6	12.3	250.7
K_2O	26.2	24.2	22.9	47.2	94.3	259.6
CaO	9.6	3.9	13.9	19.7	37.5	290.9
MgO	2.6	1.0	1.7	5.4	8.1	214.4
S	2.1	0.6	1.5	4.2	6.4	204.0
Minor Element (mcg)						
B	19.6	5.9	23.2	41.4	70.5	260.6
Mn	6.5	2.0	19.2	26.9	48.1	642.2
Cu	14.0	3.5	8.7	24.1	36.3	158.6
Fe	86.0	30.8	90.1	168.6	289.5	236.7
Zn	33.1	11.6	29.2	44.8	85.5	158.0

- The growth response from GSF applied plants was 225% for helianthus and 346% for marigold as compare to control.
- The major elements N, P, K, Ca, mg, & S accumulated by above ground parts of marigold was 152% 316% better then control.
- The minor elements B, Mn, Cu, Fe, & Zn accumulated by above ground parts of marigold was 138% to 1200% better then control.
- The major elements N, P, K, Ca, Mg, Ca & S accumulated by above ground parts of Helianthus was 204% to 291% better then controls.
- The minor elements B, Mn, Cu, Fe, & Zn accumulated by above ground parts of the Helianthus was 158% to 642% better then control.
- The trial proves that GSF growth stimulating liquid fertilizer was effective in correcting soil deficiencies as seen by the results.
- GSF growth stimulating liquid fertilizer was effective to overcome soil's inability to transfer nutrients to the plants as evidence by the level of calcium and magnesium absorbed by the plants from 214-290%, Calcium and Magnesium was not supplied by GSF.
- The above facts and figures depict that the application of GreenShine Fertilizer can stimulate growth of the plants located at Putrajaya by correcting soil deficiencies and overcoming the soil's inability to transfer nutrients to the plant.

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Pictures:


CONTROL
MARY GOLD
GSF TREATED
MARY GOLD


CONTROL
HELIANTUS
GSF TREATED
HELIANTUS

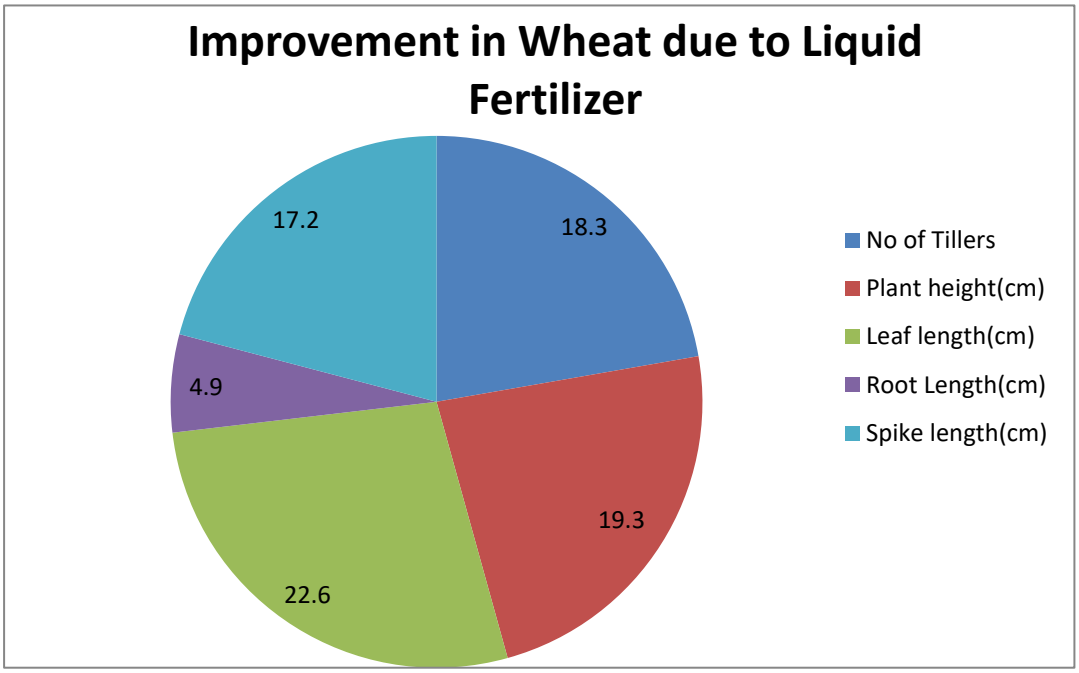
6.2 Pakistan
Collaboration: WWF-Pakistan

WWF-Pakistan aims to conserve nature and ecological processes by Preserving genetic, species, and ecosystem diversity. Ensuring that the use of renewable natural resources is sustainable, both now and in the longer term.

We have signed a MoU with WWF-Pakistan for the trial of GreenShine Fertilizer at their various sites across Pakistan. The trials were successful and the following data has been shared by WWF-Pakistan.

Comparative assessment of Liquid Fertilizers applied on Wheat Plot

Wheat	Liquid Fertilizer Applied	No Liquid Fertilizer Applied	Improvement in Percentage
No of Tillers	8.67	7.08	18.3 %
Plant height(cm)	107.92	87.08	19.3 %
Leaf length(cm)	34.25	26.5	22.6 %
Root Length(cm)	11.83	11.25	4.9 %
Spike length(cm)	24.67	20.42	17.2 %



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Impact Assessment of Liquid Fertilizers on Wheat

Wheat demo plots with liquid fertilizer application

Plot id#	Former Name	Adress Village/UC	Verity	No of Tillers	Plant height(cm)	Leaf length(cm)	Root Length(cm)	Spike length(cm)
K.G 1	M.yar	Lakai/kaisaghar	Hashim	9	113	36	13	27
K.G 2	Meherban	Ghundikuna/kaisaghr	Hashim	9	102	32	10	23
K.G3	Amanullah	Ghundikuna/kaisaghr	Sehar	8	110	37	11	25
K.G4	Khwaja khan	Ghundikuna/kaisaghr	Sehar	8	99	33	10	24
K.G5	Azam khan	Lakai/kaisaghar	Sehar	9	107	30	14	24
K.G6	Umar khan	Ghundikuna/kaisaghr	Aas	9	104	35	11	25
K.G7	Azeeem khan	Niazikot/Kaisaghar	Aas	9	109	35	14	26
K.G8	Mir zaman	Lakai/kaisaghar	Hashim	8	114	36	13	27
K.G9	Khwaidad	Niazikot/Kaisaghar	Aas	9	111	34	15	24
k.G11	Qamarzaman	Ghundikuna/kaisaghar	Aas	8	110	38	10	24
S.G1	SardarGul	Ibrahimkhel/shinghar	Sehar	9	104	32	11	22
S.G2	Qadeem	Ibrahimkhel/shinghar	Sehar	9	112	33	10	25
Total				104	1295	411	142	296
Average				8.67	107.92	34.25	11.83	24.67

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Wheat demo plots of improved seeds with no fertilizer application

Plot id#	Former Name	Adress Village/UC	Verity	No of Tillers	Plant height(cm)	Leaf length(cm)	Root Length(cm)	Spike length(cm)
K.G 1	M.yar	Lakai/kaisaghar	Hashim	7	90	27	11	21
K.G 2	Meherban	Ghundikuna/kaisaghr	Hashim	6	88	29	9	22
K.G3	Amanullah	Ghundikuna/kaisaghr	Sehar	6	91	26	10	20
K.G4	Khwaja khan	Ghundikuna/kaisaghr	Sehar	8	87	27	13	22
K.G5	Azam khan	Lakai/kaisaghar	Sehar	7	84	27	10	21
K.G6	Umar khan	Ghundikuna/kaisaghr	Aas	7	89	26	11	20
K.G7	Azeeem khan	Niazikot/Kaisaghar	Aas	7	91	26	12	21
K.G8	Mir zaman	Lakai/kaisaghar	Hashim	8	81	24	10	20
K.G9	Khwaidad	Niazikot/Kaisaghar	Aas	8	83	26	12	20
k.G11	Qamarzaman	Ghundikuna/kaisaghar	Aas	8	87	28	12	19
S.G1	SardarGul	Ibrahimkhel/shinghar	Sehar	6	85	26	11	20
S.G2	Qadeem	Ibrahimkhel/shinghar	Sehar	7	89	26	14	19
Total				85	1045	318	135	245
Average				7.08	87.08	26.50	11.25	20.42

Collaboration: Pakistan Agriculture Research Council

Pakistan Agricultural Research Council (PARC) is the apex national organization working in close collaboration with other federal provincial institutions in the country to provide science-based solutions to agriculture of Pakistan through its statutory functions.

Government had planted Olive Trees along the Margalla foothills in Islamabad but Olive trees were not bearing fruits and flowers for many years despite number of rectifying measures.

Olive Trees were treated with five applications of GSF-Barakah and three applications of GSF-Haryali for a period of ten months. 200 ml of GSF solution was mixed in 5 litres of water and poured around the trunk of Olives every after 1.5 month. Nearly one year after the start of GSF treatment the Olive Trees were bearing some flowers which were signs of fruiting. The management has acknowledged this achievement in their report.

In addition to the Olive trees GSF combination was also applied on other plants, trees and shrubs and the management noted upto 200% growth in some plants at the trial facility.

An excerpt of the Report….

Water Resources Research Institute
National Agricultural Research Centre
Park Road, Islamabad-45500, Pakistan

…….. it was decided that the trees (Italian grafted Olive) were not fruiting for last 10-15 years therefore the best performance indicator would be fruiting on these plants……..

……. there was acute shortage of irrigation/rainfall waters at Satrameel, due to which excessive flowing was not visible. However due to GSF applications atleast some flowers only on treated plants were witnessed and fewer fruits were also visible. This indicated that GSF can be helpful in plants which have not produced fruit for longer times…….

Engr. MALIK M. SALEEM
PI, Rawal Water Shed Project
WRRI-NARC, Islamabad.

6.3 UAE

Venue: Yas Island, Abu Dhabi UAE

Land of UAE is not suitable for agriculture and its soil is almost void of essential plants nutrients therefore fertilizers are essential to keep the greenery for longer period. Yaslink Golf Course in Yas Island, Abu Dhabi was facing difficulty to maintain the golf course lush green with the regular fertilizers.

We visited the site and asked the management for application of our product GreenShine Fertilizer-2. They started taking trial of the GSF and used different combinations of GSF for better result. After continuous application of the GSF for three months the trial area was more lush green the control area which they treated with regular fertilizers.

Following Pics were taken before application of GSF.

Before Application	
	
	

.

After Applications









Parallel View



7.0 Benefits of Liquid Fertilizer over Granular Fertilizer

Saves time and money.

Liquid Fertilizers are easy to apply and does not require any experienced hand for its application whether it is foliar application or fertigation method it is similar to the method of watering the crops thus it not only saves time but also trim labour costs.

Even Application

Liquid Fertilizers are easier to apply evenly thus avoiding burns due to high accumulation of fertilizer at one point. Even application of the Granular Fertilizer is difficult and the high concentration of granules at one point may lead to burns and damages.

Quick Absorption

One of the greatest advantages of liquid fertilizers is that they are quickly absorbed by the leave and some into the ground which makes a very good form of fertilizer. Diluting liquid is much easier than dissolving granules, and liquids are a final product that can be much more evenly distributed over an area. When spreading granules, it is easy to get concentrations of fertilizer in certain areas that might lead to scorching or burning. Liquids have the benefit of being easier to regulate and mix.

Foliar Feeding

In addition to pouring/fertigation Liquid Fertilizers can be applied through foliar sprays, which is the most efficient way to increase yield and plant health. Tests have shown that foliar feeding can increases yields from 12% to 25% when compared to conventional fertilization. Foliar feeding is an effective method for correcting soil deficiencies and overcoming plants inability to absorb nutrient for poor soil.

Eutrophication of Lakes

Leaching losses are high in solid/Granular fertilizer due to heavy application of nutrients specially Nitrogen and Phosphorous which cause Eutrophication of lakes.

8.0 Certifications Environment.

8.1 SGS Taiwan

GreenShine Liquid Fertilizer was tested and evaluated for European Union's REACH Programme. The product was tested for 138 substances of very concentration and there wasn't any trace of hazardous elements.

SGS

Test Report (SVHC)

No. : KA/2013/21347 Date : 2013/02/27 Page : 1 of 20

GHADEER INC (M) SDN BHD
NO. 14, JALAN LAKSAMANA 10A, TAMAN MEWAH JAYA 3, 41200 KLANG, SELANGOR DARUL EHSAN, MALAYSIA.

The following sample(s) was/were submitted and identified by/on behalf of the client as :

Sample Description	:	GREEN SPOT LIQUID FERTILIZER
CTS Reference No.	:	CTS/SA/13/0570/GHADEER
Sample Receiving Date	:	2013/02/22
Testing Period	:	2013/02/22 TO 2013/02/27
Sample Submitted By	:	SGS (MALAYSIA) SDN BHD

Test Requested	:	138 Substances of Very High Concern (SVHC) screening. SVHC candidate list based on the publication by European Chemicals Agency (ECHA) on 2012 December 17, regarding Regulation (EC) No 1907/2006 concerning the REACH.
Test Method	:	Please refer to next page(s).
Test Result(s)	:	Please refer to next page(s).
Summary	:	According to the interpretation of ECHA and the majority of EU member states on the definition of an article as well as the specified scope and analytical technique, concentrations of all SVHC are <0.1% in the submitted sample(s).

SGS TAIWAN LTD SGS TAIWAN

Ray Chang

Ray Chang / Asst. Manager
Signed for and on behalf of
SGS Taiwan Limited

8.2 Eurofins, Malaysia

Eurofins Malaysia tested GreenShine Fertilizers tested for 235 Substances of very High Concern (SVHC). The chemical analysis of specified SVHC is performed by means of analytical techniques published by ECHA **European Chemicals Agency. No detection was found.**

https://echa.europa.eu/candidate-list-table

eurofins

Report No. : EFSN23111454-C-0101
Date : 05-Dec-2023
Page : 5 of 14

TEST RESULT

Test Result:

Test method : In-house method, GC-MS, LC-MS, ICP-OES, UV/VIS, IC -quantification of relevant SVHC (substances of very high concern) in material samples.

Detection limit : 0.010 %

Parameter	CAS No.	Test result (%)
		1
All tested SVHC	-	N.D.

"""TO BE CONTINUED"""

Eurofins Testing Technology (Shenzhen) Co., Ltd.
4/F., Building 3, Building 2, Runheng Electronic Park, Liuxian 2nd Road, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China
Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.HK@cpt.eurofinscn.com • Website: www.eurofins.com / www.cpt.eurofins.com

INSTITUT PENYELIDIKAN PERHUTANAN MALAYSIA
Forest Research Institute Malaysia (FRIM)
52109 Kepong
Selangor Darul Ehsan
Tel : (603) 6279 7000
Fax : (603) 6273 1314
Portal Rasmi : www.frim.gov.my

Ruj. Kami/Our Ref: FRIM.600-5/6/10JLD.2(54)(S)
Ruj. Tuan/Your Ref:-
Tarikh/Date: 20 MEI 2026

SULIT

GHADEER INC (M) SDN BHD,
No. 10A Jalan Laksamana 11,
Taman Mewah Jaya 3,
41200 Klang, Selangor
(U/P: Z.A Khan)

Dr./Tuan/Puan,

Laporan Ujian Pencemaran Mikroorganisma untuk Permohonan No: PM2026/06

Adalah saya merujuk kepada perkara di atas, permohonan Dr./Tuan/Puan bertarikh 8 Mei 2026 serta 3 sampel dalam bentuk cecair telah diterima pada 8 Mei 2026 dengan nombor permohonan PM2026/06. Bersama-sama ini disertakan keputusan ujian yang mana kerja-kerja ujian pencemaran mikroorganisma (*microbial contamination test*) telah dijalankan oleh institut ini.

Sayugia dimaklumkan bahawa keputusan analisis ini tertakluk ke atas sampel yang tertera di atas sahaja. Pihak FRIM tidak akan terbabit dengan apa-apa jua prosiding undang-undang yang berkaitan dengan hasil analisis yang dijalankan.

Bersama-sama ini disertakan borang maklumbalas pelanggan, untuk dilengkapkan dan dikembalikan semula dalam masa 2 minggu daripada tarikh laporan ini.

Sekian, terima kasih.

"MALAYSIA MADANI"
"BERKHIDMAT UNTUK NEGARA"

Saya yang menurut perintah,

(DR. NOR HAYATI ABDULLAH)
b/p Ketua Pengarah
FRIM

INSTITUT PENYELIDIKAN PERHUTANAN MALAYSIA
Forest Research Institute Malaysia (FRIM)
52109 Kepong
Selangor Darul Ehsan
Tel : (603) 6279 7000
Fax : (603) 6273 1314
Portal Rasmi : www.frim.gov.my

Ruj. Tuan/Your Ref:-
Ruj. Kami/Our Ref: FRIM(S).600-5/6/32 JLD2(12)(S)
Tarikh/Date: 21 Mei 2026

SULIT

Ghadeer Inc (M) Sdn. Bhd.,
10A Jalan Laksamana II,
Taman Mewah Jaya 3,
41200 Klang, Selangor.

(U/P: Z. A. Khan)

Dr./Tuan/Puan,

Laporan Ujian Makmal Kawalan Kualiti Hasilan Semulajadi (NPQC)

Adalah saya merujuk kepada perkara di atas, permohonan Dr./Tuan/Puan bertarikh 8 Mei 2026 serta 3 sampel produk siap dalam bentuk cecair telah diterima pada 8 Mei 2026 dengan nombor permohonan PL2026/06. Bersama-sama ini disertakan keputusan ujian yang mana kerja-kerja ujian logam berat *(heavy metal test)* telah dijalankan oleh institut ini.

Sayugia dimaklumkan bahawa keputusan analisis ini tertakluk ke atas sampel yang tertera di atas sahaja. Pihak FRIM tidak akan terbabit dengan apa-apa jua prosiding undang-undang yang berkaitan dengan hasil analisis yang dijalankan.

Bersama-sama ini disertakan borang maklumbalas pelanggan, untuk dilengkapkan dan dikembalikan semula dalam masa 2 minggu daripada tarikh laporan ini. Sekiranya tidak dikembalikan, kami berangapan maklumbalas pelanggan adalah sangat baik.

Sekian, terima kasih.

"MALAYSIA MADANI"
"BERKHIDMAT UNTUK NEGARA"

Saya yang menjalankan amanah,

(DR. NOR HAYATI ABDULLAH)
b/p Ketua Pengarah
FRIM

SULIT

.

TOP GREEN LABS MALAYSIA, ELECTRIC CONDUCTIVITY (EC) REPORT

TGF

TOP GREEN FERTILIZER SDN BHD

202001042701(1399022-T)

ICON CITY GOURMENT STREET, 2ND FLOOR, P-2-16, JALAN SS8/39,
SUNGAI WAY, PETALING JAYA, 47300, SELANGOR
EMAIL: topgreenfertilizer@gmail.com

CERTIFICATE OF ANALYSIS

TO	: GHADEER INC (M) SDN. BHD.	REPORT NO	: TIM–020-2024
SAMPLE NAME	: LIQUID FERTILIZER	DATE RECEIVED	: 11.10.2024
TGF LAB REF NO.	: FB 453	DATE REPORTED	: 11.10.2024
SAMPLE SPECS	: BARAKAH	ANALYST	: AZHANI

In accordance with instructions received from customer, we prepared and carried out required test on the submitted sample. The analysis results reported as follows:B

TEST RESULTS

TEST PARAMETER : Electrical Conductivity
Test Method : In House Method based on ISO 11265 : 1994 (E)

NO	TEST CONDITION	UNIT	RESULTS (%)
1.	Original Liquid Fertilizer	mS/m	122.1 (25.0 °C)
2.	Liquid Fertilizer Dilution Ratio (1 : 5)	mS/m	64.1 (29.3°C)
3.	Liquid Fertilizer Dilution Ratio (3 : 1000)	mS/m	1.78 (29.5 °C)

Remark:

1. The test report would be invalid without signatures of the persons for approval. The test report would be invalid ifaltered. The test report would be invalid if reproduced, except in full, without written approval of the Company.
2. Any disputes about test reports should be reported to us within 14 days from the date of receiving the Certificate of Analysis.
3. The above result(s) based on sample submitted. We shall not be responsible or liable for any damages or loses arising thereof.

APPROVED SIGNATORY

CHM. NUR AZHANI BINTI MOHAMED ALANG
REGISTERED CHEMIST
M.Sc. (Analytical Chemistry and Instrumental Analysis)
IKM No.: M/5358/754T/18/20

TOP GREEN LABS MALAYSIA, ELECTRIC CONDUCTIVITY (EC) REPORT

TOP GREEN FERTILIZER SDN BHD

202001042701(1399022-T)

ICON CITY GOURMENT STREET, 2ND FLOOR, P-2-16, JALAN SS8/39,
SUNGAI WAY, PETALING JAYA, 47300, SELANGOR
EMAIL: topgreenfertilizer@gmail.com

CERTIFICATE OF ANALYSIS

TO	: GHADEER INC (M) SDN. BHD.	REPORT NO	:	TIM–019-2024
SAMPLE NAME	: LIQUID FERTILIZER	DATE RECEIVED	:	11.10.2024
TGF LAB REF NO.	: FB 452	DATE REPORTED	:	11.10.2024
SAMPLE SPECS	: HARYALI	ANALYST	:	AZHANI

In accordance with instructions received from customer, we prepared and carried out required test on the submitted sample. The analysis results reported as follows:B

TEST RESULTS

TEST PARAMETER : Electrical Conductivity
Test Method : In House Method based on ISO 11265 : 1994 (E)

NO	TEST CONDITION	UNIT	RESULTS (%)
1.	Original Liquid Fertilizer	mS/m	52.7 (25.0 °C)
2.	Liquid Fertilizer Dilution Ratio (1 : 5)	mS/m	34.0 (29.1 °C)
3.	Liquid Fertilizer Dilution Ratio (3 : 1000)	mS/m	1.05 (29.4 °C)

Remark:

1. The test report would be invalid without signatures of the persons for approval. The test report would be invalid ifaltered. The test report would be invalid if reproduced, except in full, without written approval of the Company.
2. Any disputes about test reports should be reported to us within 14 days from the date of receiving the Certificate of Analysis.
3. The above result(s) based on sample submitted. We shall not be responsible or liable for any damages or loses arising thereof.

APPROVED SIGNATORY

CHM. NUR AZHANI BINTI MOHAMED ALANG
REGISTERED CHEMIST
M.Sc. (Analytical Chemistry and Instrumental Analysis)
IKM No.: M/5358/7547/18/20

TOP GREEN LABS MALAYSIA ANALYTICAL REPORT BARAKAH

TOP GREEN FERTILIZER SDN BHD

202001042701(1399022-T)

ICON CITY GOURMENT STREET, 2ND FLOOR, P-2-16, JALAN SS8/39,
SUNGAI WAY, PETALING JAYA, 47300, SELANGOR
EMAIL: topgreenfertilizer@gmail.com

CERTIFICATE OF ANALYSIS

TO	: GHADEER INC (M) SDN BHD	REPORT NO	: TIM–023-2024
SAMPLE NAME	: BARAKAH (LIQUID FERTILIZER)	DATE RECEIVED	: 18.10.2024
TGF LAB REF NO.	: FB 461	DATE REPORTED	: 18.10.2024
SAMPLE SPECS	: -	ANALYST	: AZHANI

In accordance with instructions received from customer, we prepared and carried out required test on the submitted sample. The analysis results reported as follows:

TEST RESULTS

NO	TEST PARAMETER	UNIT	TEST METHOD	RESULTS
1.	Total Nitrogen	% w/w	In-house Method - MS 417: Part 3:1994	6.8
2.	Total Phosphorus (as P_2O_5)	% w/w	In-house Method - MS 417: Part 4: 1994 (Spectrophotometric Method)	10.7
3.	Potassium (as K_2O)	% w/w	In-house Method - MS 417: Part 5: 1994 (Flame Photometric Method)	15.8

Remark:

1. The test report would be invalid without signatures of the persons for approval. The test report would be invalid if altered. The test report would be invalid if reproduced, except in full, without written approval of the Company.
2. Any disputes about test reports should be reported to us within 14 days from the date of receiving the Certificate of Analysis.
3. The above result(s) based on sample submitted. We shall not be responsible or liable for any damages or loses arising thereof.

APPROVED SIGNATORY

ChM. MUR AZHANI BINTI MOHAMED ALANG
REGISTERED CHEMIST
M.Sc. [Analytical Chemistry and Instrumental Analysis]
IKM No.: M/5358/754716/20

TOP GREEN LABS MALAYSIA ANALYTICAL REPORT HARYALI

TOP GREEN FERTILIZER SDN BHD

202001042701(1399022-T)

ICON CITY GOURMENT STREET, 2ND FLOOR, P-2-16, JALAN SS8/39,
SUNGAI WAY, PETALING JAYA, 47300, SELANGOR
EMAIL: topgreenfertilizer@gmail.com

CERTIFICATE OF ANALYSIS

TO	: GHADEER INC (M) SDN BHD	REPORT NO	: TIM-011-2024
SAMPLE NAME	: HARYALI	DATE RECEIVED	: 11.06.2024
TGF LAB REF NO.	: FB 264	DATE REPORTED	: 12.06.2024
SAMPLE SPECS	: GIM - 0025	ANALYST	: AZHANI

In accordance with instructions received from customer, we prepared and carried out required test on the submitted sample. The analysis results reported as follows:

TEST RESULTS

NO	TEST PARAMETER	UNIT	TEST METHOD	RESULTS
1.	Total Nitrogen	% w/w	In-house Method - MS 417: Part 3:1994	14.9
2.	Total Phosphorus (as P_2O_5)	% w/w	In-house Method - MS 417: Part 4: 1994 (Spectrophotometric Method)	9.6
3.	Potassium (as K_2O)	% w/w	In-house Method - MS 417: Part 5: 1994 (Flame Photometric Method)	9.4

Remark:

1. The test report would be invalid without signatures of the persons for approval. The test report would be invalid if altered. The test report would be invalid if reproduced, except in full, without written approval of the Company.
2. Any disputes about test reports should be reported to us within 14 days from the date of receiving the Certificate of Analysis.
3. The above result(s) based on sample submitted. We shall not be responsible or liable for any damages or loses arising thereof.

APPROVED SIGNATORY

ChM. NUR AZHANI BINTI MOHAMED ALANG
REGISTERED CHEMIST
M.Sc. [Analytical Chemistry and Instrumental Analysis]
IKM No.: M6338/7547/18/20

Pakistan Council of Scientific Research Institute Pakistan

PCSIR LABORATORIES COMPLEX, KARACHI
Shahrah-e-Dr.Salimuzzaman Siddiqui, Off University Road, Karachi - 75280
TEST REPORT*

KL/ILO/FF/510/01(NA)
Revision # : 02
Issue # : 01
Issue Date: 19-11-2009

S. No: 18637

Test Report #. ILD/ATR-1722/2013 Date: 26-03-2013

1. Name and Address of Client: M/s. GHADEER INC (M) SDN. BHD
No. 14 Jln Laksamana 10A, Taman Mewah Jaya 3, 41200, klang Selangor D.E Malaysia.

Ref. No: ---- Date of receipt: 12-03-2013

2. Description of the Sample: Green Spot Fertilizer
Item: Liquid Fertilizer Mark if any: Nil
Lab. Code No ILD/ATR-1722/2013 Mark if any: Nil
Condition found on receipt: Normal

3. Sample Plan / Procedure used: N.A. Date of sampling: N.A.

4. Environmental Conditions: (Where applicable) Temp: N.A. Humidity: N.A.

5. Method Used: Atomic Absorption Spectrometry

6. Measurements & Results:

Lead (Pb)	**Not Detected in ppm**
Cadmium (Cd)	**Not Detected in ppm**
Mercury (Hg)	**Not Detected in ppm**
Arsenic (As)	**Not Detected in ppm**

* Detection Limits

Lead (Pb)	**≥ 0.01 ppm**
Cadmium (Cd)	**≥ 0.01ppm**
Mercury (Hg)	**≥ 10 ppb**
Arsenic (As)	**≥ 10 ppb**

The product is found to be environmentally non hazardous for soil upto the extent of the parameters analyzed.

7. Statement of Compliance: N.A.

8. Opinion / Interpretation (where required): N.A.

Tested By: (Mahroze Ahmed Khan) S.O. (Sheraz Shafiq) S.O. (Dr. Sofia K. Alvi) S.S.O.

Checked / Verified By: (Dr. Khaula Shirin) P.S.O.

Head of Centre/Division: (Dr. Arfa Yasmin) CSO/HOC 26/3/13

(Iftikhar Ahmed Soomro) Director General

9.0 Analytical Report

9.1 GSF-Barakah analysed by SGS Malaysia

YOUR REF:
DATE RECEIVED: NOV 03, 2010
DATE REPORTED: NOV 24, 2010

Report No. : **LPME/2779/10**
Company : **Messrs. Ghadeer Inc (M) Sdn. Bhd.**
No. 14, Jalan Laksamana 10A,
Taman Megah Jaya 3, 41200 Klang, Selangor.

ANALYSIS REPORT

One (1) sample said to be **FERTILIZER,** contained in a polythene bag, was received from M/s. Ghadeer Inc (M) Sdn. Bhd.

SAMPLE MARKING : GSF 1 BATCH 029

Upon re-testing of the sample, the following results were obtained :-

TEST PARAMETERS			TEST METHODS	RESULTS	
Nitrogen N,	%	w/v	KJEDAHL	10.3	(One zero decimal three)
Phosphorus as P_2O_5	%	w/v	COLORIMETRIC	6.99	(Six decimal nine-nine)
Potassium as K_2O	%	w/v	AAS	18.7	(One eight decimal seven)
Manganese, Mn	%	w/v	AAS	0.021	(Zero decimal zero-two-one)
Zinc, Zn	%	w/v	AAS	0.008	(Zero decimal zero-zero-eight)
Copper, Cu	%	w/v	AAS	0.011	(Zero decimal zero-one-one)
Boron, B	%	w/v	AAS	0.074	(Zero decimal zero-seven-four)
Density		g/mL	GRAVIMETRIC	1.26	(One decimal two-six)

Remark:
1. These test results are representative only of the sample received and are not intended to be representative of any lot, cargo or shipment.
2. This test report is not for L/C negotiation purposes.
3. This test results are shown as w/v.

SGS LABORATORY SERVICES (M) SDN. BHD.

TONG HAI CHING
B.Sc. (HONS) AMIC
TECHNICAL MANAGER

Pg: 1 of 1

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9.2 GSF-Haryali Analysed by SGS Malaysia

YOUR REF:
DATE RECEIVED: NOV 03, 2010
DATE REPORTED: NOV 24, 2010

Report No. : **LPME/2780/10**
Company : **Messrs. Ghadeer Inc (M) Sdn. Bhd.**
No. 14, Jalan Laksamana 10A,
Taman Megah Jaya 3, 41200 Klang, Selangor.

ANALYSIS REPORT

One (1) sample said to be **FERTILIZER,** contained in a polythene bag, was received from M/s. Ghadeer Inc (M) Sdn. Bhd.

SAMPLE MARKING : GSF 2 BATCH 030

Upon re-testing of the sample, the following results were obtained :-

TEST PARAMETERS			TEST METHODS	RESULTS	
Nitrogen N,	%	w/v	KJEDAHL	21.6	(Two one decimal six)
Phosphorus as P_2O_5	%	w/v	COLORIMETRIC	8.07	(Eight decimal zero-seven)
Potassium as K_2O	%	w/v	AAS	14.3	(One four decimal three)
Manganese, Mn	%	w/v	AAS	0.023	(Zero decimal zero-two-three)
Zinc, Zn	%	w/v	AAS	0.008	(Zero decimal zero-zero-eight)
Copper, Cu	%	w/v	AAS	0.012	(Zero decimal zero-one-two)
Boron, B	%	w/v	AAS	0.060	(Zero decimal zero-six-zero)
Density		g/mL	GRAVIMETRIC	1.28	(One decimal two-eight)

Remark:
1. These test results are representative only of the sample received and are not intended to be representative of any lot, cargo or shipment.
2. This test report is not for L/C negotiation purposes.
3. This test results are shown as w/v.

SGS LABORATORY SERVICES (M) SDN. BHD.

p
ONG HAI CHING
B.Sc. (HONS) AMIC
TECHNICAL MANAGER

Pg: 1 of 1

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9.3 Analytical Report of GSF-Barakah PCSIR Pakistan

PCSIR LABORATORIES COMPLEX, KARACHI
Shahrah-e-Dr.Salimuzzaman Siddiqui, Off University Road, Karachi - 75280
TEST REPORT*

KL/ILO/FF/510/01(NA)
Revision # : 02
Issue # : 01
Issue Date: 19-11-2009

S. No: 12222

Test Report #. ILD/ATR-6571/2010 Date: 15-01-2011

1. Name and Address of Client: M/s. Ghadeer Inc (M) SDN. BHD
No. 14 JIn Laksamana 10A, Taman Mewah Jaya 3, 41200, Klang Selangro D.E Malaysia.

Ref. No: GIM/PCSIR 001/12/10 Dated: 20-12-2010 Date of receipt: 30-12-2010

2. Description of the Sample: GSF-1
Item: Green Spot Liquid Fertillizer Mark if any: Nil
Lab. Code No ILD/ATR-6571/2010 Mark if any: Nil
Condition found on receipt: Normal

3. Sample Plan / Procedure used: N.A. Date of sampling: N.A.

4. Environmental Conditions: Temp. N.A. Humidity: N.A.
(Where applicable)

5. Method Used: i) Pakistan Standard
ii) European Standard

6. Measurements & Results:

Total Nitrogen	**10 % w/v**
P_2O_5	**8 % w/v**
K_2O	**20.5 % w/v**
Mn	**224 mg/lit**
Cu	**120 mg/lit**
Zn	**78 mg/lit**
B	**183 mg/lit**
Specific Gravity	**1.275**

7. Statement of Compliance: N.A.

8. Opinion / Interpretation (where required): The results of given product show that it may be used as combined source of NPK & (listed) micronutrients for agricultural purposes anywhere in Pakistan where deficiency of such nutrients appears.

Tested By: (Mahroze Ahmed Khan) S.O. (Sheraz Shafiq) S.O. (Sofia K. Alvi) S.S.O.

Checked / Verified By: (Dr. Khaula Shirin) P.S.O.

Head of Centre/Division: (Dr. Arfa Yasmin) CSO/HOC

(Dr. Tanzil Haider Usmani)
Director General

9.4 Analytical Report of GSF-Haryali PCSIR Pakistan

PCSIR LABORATORIES COMPLEX, KARACHI
Shahrah-e-Dr.Salimuzzaman Siddiqui, Off University Road, Karachi - 75280
TEST REPORT*

KL/ILO/FF/510/01(NA)
Revision # : 02
Issue # : 01
Issue Date: 19-11-2009

S. No: 12223

Test Report #. ILD/ATR-6572/2010 Date: 15-01-2011

1. Name and Address of Client: M/s. Ghadeer Inc (M) SDN. BHD
No. 14 JIn Laksamana 10A, Taman Mewah Jaya 3, 41200, Klang Selangro D.E Malaysia.

Ref. No: GIM/PCSIR 001/12/10 Dated: 20-12-2010 Date of receipt: 30-12-2010

2. Description of the Sample: GSF-2
Item: Green Spot Liquid Fertillizer Mark if any: Nil
Lab. Code No ILD/ATR-6572/2010 Mark if any: Nil
Condition found on receipt: Normal

3. Sample Plan / Procedure used: N.A. Date of sampling: N.A.

4. Environmental Conditions: Temp: N.A. Humidity: N.A.
(Where applicable)

5. Method Used: i) Pakistan Standard
ii) European Standard

6. Measurements & Results:

Total Nitrogen	**19.5 % w/v**
P_2O_5	**8 % w/v**
K_2O	**11 % w/v**
Mn	**226 mg/lit**
Cu	**124 mg/lit**
Zn	**80 mg/lit**
B	**187 mg/lit**
Specific Gravity	**1.284**

7. Statement of Compliance: N.A.

8. Opinion / Interpretation (where required): The results of given product show that it may be used as combined source of NPK & (listed) micronutrients for agricultural purposes anywhere in Pakistan where deficiency of such nutrients appears.

Tested By: (Mahroze Ahmed Khan) S.O. (Sheraz Shafiq) S.O. (Sofia K. Alvi) S.S.O.

Checked / Verified By: (Dr. Khaula Shirin) P.S.O.

Head of Centre/Division: (Dr. Arfa Yasmin) CSO/HOC

(Dr. Tanzil Haider Usmani)
Director General

Analytical Report of GSF-Haryali, GSF Barakah, GSF Aab-o-Dana GSF Combo Directorate of Soil and Plant Agriculture Research Institute [[, KPK Peshawar Pakistan.

Directorate of Soil and Plant Nutrition

Agricultural Research Institute, Tarnab, Peshawar

0092-91-2964096

Fertilizer Testing Lab | **Fertilizer Analysis Report** | **Issued On** 18-3-2024 | **No.2023/Fert./ADL/REG**

Name & Address of Sender/Dealer: Deputy Director Registration — No.3108/DGA (E) — Date: 2-2-2024

Sample Drawn from: Tumab Agri — Name of Manufacture/Importer: Tumab Agri — Batch No. State of sample: Sealed

Fertilizer Analysis Detail

S#	Lab: Code	Product Name	Active Ingredients	N %	P_2O_5 %	K_2O %	B %	Zn %	Cu %	Fe %	Mn %	Mg %	HA %	OM %	Remarks
1.	R-45	NPK (Barakah)	Claim	10	8	20	--	--	--	--	--	--	--	--	
			Results	10	8	20	--	--	--	--	--	--	--	--	Fit
2.	R-46	Abo Dana NPK	Claim	10	25	5	--	--	--	--	--	--	--	--	
			Results	10	25	5	--	--	--	--	--	--	--		Fit
3.	R-47	Haryali NPK	Claim	20	8	10	--	--	--	--	--	--	--	--	
			Result	20	8	10	--	--	--	--	--	--	--	--	Fit
4.	R-48	Combo NPK	Claim	18	8	20	--	--	--	--	--	--	--		
			Results	8	8	**15**	--	--	--	--	--	--	--	--	**Unfit**

Method Applied i) P= Yellow/Blue color method by Baraton/Spectrometry ii) N= Kjeldahl's Method
iii) M= Atomic Absorption Spectrophotometry/ICP-OES iv) K= Flame analyzer method
v) Boron= Azomethane H/Spectrophotometry vi) H.A. = Gravimetric method

Opinions/Interpretation/Remarks:

- In case sample (s) is/are provided by the customer or are unsealed, the responsibility about the integrity of sample (s) lie (s) with the customer.
- The results are reported with confidence level of 95% i.e (K=2) and are pertaining to analyzed samples only.
- This test was carried out under the guidelines of ISO:196-1966 for atmospheric conditions.
- This report can't be reproduced except in full, without written approval of Lab Authority.

9.5 Analytical Report of GSF from Bangladesh

Md. Shafiqur Rahman
M. Sc (Dhaka), M. Agr. Sc (Reading), Ph D (ANU)
Professor and Chairman

DEPARTMENT OF SOIL, WATER & ENVIRONMENT
University of Dhaka, Dhaka-1000, Bangladesh
Tel : 88-02-9661920-73/Ext. 7470
Fax : 880-2-8615583
e-mail : shafiqurdu@gmail.com, swed@du.ac.bd

Report of Fertilizer Analysis

Date: 20/10/2011

Two liquid fertilizer samples manufactured by Ghadeer Inc (M) Sdn. Bhd. (Malaysia), namely GSF-1 (10: 8: 20 +T.E) in Maroon color and GSF-2 (20: 8: 10 +T.E) in Green color supplied/imported by Panama Holdings (Pvt.) Ltd. (Suit-9, H. M. Plaza, 11th floor, Plot No.-34, Road-2, Sector-3, Uttara C/A, Dhaka-1230), whereas GSF-1 to be known as BTS-1 and GSF-2 to be known as BTS-2 in this analysis report.

Samples: Two NPK liquid fertilizers named Bondhu Tarol Sar (BTS-1, BTS-2).

Analytical results:

Sl. No.	Test Parameters	Results	
		BTS-1	BTS-2
1	Color	Maroon	Green
2	Odor	Odorless	Odorless
3	pH	7.85	8.23
4	Organic Carbon (%)	0.135	0.159
5	Total Nitrogen (%)	11.0	22.20
6	Total P_2O_5 (%)	8.45	8.55
7	Total K_2O (%)	19.88	11.50
8	Total S (%)	0.009	0.008
9	Cu (ppm)	85.11	88.73
10	Zn (ppm)	48.85	52.0
11	Mn (ppm)	167	168
12	B_2O_3 (ppm)	121	124
13	Pb (ppm)	6.43	4.80
14	Cd (ppm)	1.32	1.64
15.	Cr (ppm)	*BDL	BDL
16	Ni (ppm)	5.16	4.80

*BDL = Below Detection Limit: Detection Limit of Cr = 0.002 ppm

20/10/11

Prof. Md. Shafiqur Rahman
Chairman

10.0 13th OIC Exhibition in Sharjah, UAE

Seminars and Exhibitions arranged and participated by Ghadeer Inc (M) Sdn. Bhd.

10.1 The Government of Malaysia (Matrade) selected only Ghadeer Inc (M) Sdn. Bhd., in Fertilizer sector to represent Malaysia in **13th OIC Exhibition 2011 at Sharjah, United Arab Emirates.**





10.2 Business Meeting arranged by Malaysian Trade Organization (MATRADE), UAE chapter on our Request.

A business meeting with the business fraternity of UAE was arranged by MATRADE, Dubai, UAE on our request. The meeting was well attended by business community and as well as Government officials of UAE. The meeting was chaired by Trade Commissioner of Malaysia, UAE.





11.0 Production Facility

Factory of the company is located at PT.1178, 1179, Jalan Kasawari, 42500 Teluk Panglima Garang, Selangor, Darul Ehsan. Malaysia. Our factory has production capacity of 1000 Litres per day. It is properly equipped with all necessary production, uploading and offloading facilities.





12.0 Quality Assurance

We have well defined steps to ensure quality is 100% as per our standards.

- ✓ We check all the raw materials at the time of purchase and before putting it to the production process. All the production equipment always checked and ensured that the machinery is in full working condition and well calibrated.
- ✓ During the production, the Quality Control officials take samples and send them to laboratory for analysis. The stock manufactured is properly marked and a representative sample is once again taken for the analysis before dispatching it to clients.
- ✓ Packing is fully checked to ensure that there is no leakage. Drums, Jerrycans and Bottles used for packing are purchased from the trustworthy organizations who manufacture quality products.

13.0 Observance of Laws

We strictly follow and observe the local, regional and international laws while delivering our duties and assignments. No contraband item or commodity is traded, transported and delivered. We have obtained legal documents from many of our suppliers to ensure the trade free from all legal discrepancies. We import or export commodities through proper channels and adherence of law in this connection are strictly observed and we have zero tolerance for any unlawful act.

14.0 Government Taxes

We pay all the local, regional and international taxes/levies/charges payable on the trade, import and export of the commodities. Our clients are permitted to deduct all applicable taxes from our payments.

15.0 Affiliated Concerns:

15.1 Turab Inc (M) Sdn. Bhd. Malaysia.

Turab Inc (M) Sdn. Bhd., is a Minerals Trading Company having speciality in Phosphate Rock Ores, Exploration, Development and Distribution. The company is incorporated in Malaysia as a Limited Company having its office in Malaysia's Premier Port City and Industrial Hub, Port Klang. The company started its mineral business in 2008 and today it is a key unit in supply chain networks of many organizations in Malaysia. The company imports up to 40000 MT Rock Phosphate in grinded and grounded form to Malaysia every year and distribute and deliver the consignments at the doorstep of the valuable clients. The company has full potential to import up to 150000 MT to 200000 MT/yr of rock phosphate in lumps form and to deliver the same anywhere in Malaysia. The company also has its presence globally and for this it has already established operations in United Arab Emirates and Pakistan.

15.2 Turab world Inc Intl. Pakistan

Turab manages our Mineral Business in Pakistan. Turab has exported more than 100000 Tons of Rock Phosphate and other Minerals to Malaysia and Indonesia. Turab introduced our GreenShine Products in Pakistan. Turab owns Mining Lease of Rock Phosphate Mines in Pakistan

15.3 Turab Agriworld (SMC-Pvt) Limited Pakistan.

Turab Agriworld is a Private Limited company recently established to Promote GreenShine Products and other Agriculture related Products. Turab Agriworld has been registered by KPK Government of Pakistan.

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Agriculture Extension Department Khyber Pakhtunkhwa Agriculture Extension Department Khyber Pakhtunkhwa

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Government of Khyber Pakhtunkhwa

Registration No. 236/ DGAE

Directorate General Agriculture Extension

Plant Protection Directorate

The Government of Khyber Pakhtunkhwa, Department of Agriculture Extension pleased to Register

UNDER PART II SECTION 30(1-B) OF KHYBER PAKHTUNKHWA FERTILIZER CONTROL RULES 2008.

M/S Turab Agri World (SMC-Pvt.) Ltd,

Status: Fertilizers Distributor

Address: Basement No.1, Latif Plaza Khushal Colony Main Bazar, Nowshera Cantt.

This Registration certificate as Distributer is valid from 01-November-2024 till 31-December-2027.

Note Product List should be provided to Agriculture Inspector on demand as and when required or at the time of Inspection

Director Plant Protection

Director General

Agriculture Extension Department Khyber Pakhtunkhwa Agriculture Extension Department Khyber Pakhtunkhwa

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16.0 Contact and Locations

Contact Persons:	**Mr. Zulfiqar Ali Khan** Managing Director Tel Number +6016 326 8848 and +6016 689 0976
	Mr. AssaiThamby Director (Operation) Tel Number +6016 917 6256
	Ms. Lee Peiggy Finance & Admin Director Tel Number +6012 630 4779
Physical Address	No.10A Jln Laksamana 11, Tamam Mewah Jaya 3, 41200 Klang Selangor D.E Malaysia Tel +603 5162 2208 Fax +603 5166 8828
Internet Address	Email info@turabworld.com Website www.turabworld.com
Twitter	GreenShine Fertilizer
	Location Map

