



Certificate No. : SGS/ENV/2024/4587
Date of issue : 20 May 2024
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CERTIFICATE OF ANALYSIS
ENVIRONMENTAL FRIENDLINESS CERTIFICATE



Product Description
Polymer based soil stabilizer

Sample Receiving Date
08 May 2024

Testing Period
08 May 2024 – 17 May 2024

Sample ID
ENV24-04587.001

This is to certify that the product
SOILBIND®
SOIL STABILIZER POLYMER

Manufactured by
MDRK United Industrial Co.
P.O. Box 341769, Al Khobar 31952,
Kingdom of Saudi Arabia



has been independently tested and evaluated by SGS Gulf Limited.
The results of laboratory tests performed on the submitted sample
confirm that the product is environmentally friendly and safe for use in
soil stabilization applications when used as per recommended guidelines.

TEST RESULTS SUMMARY

Test Parameter	Test Method / Standard	Result	Conclusion
Biodegradability	OECD 301B / ISO 14851	Readily Biodegradable (> 60% degradation in 28 days)	PASS
Aquatic Toxicity (Fish) (96 h LC ₅₀)	OECD 203	LC ₅₀ > 100 mg/L (Non-toxic)	PASS
Aquatic Toxicity (Daphnia) (48 h EC ₅₀)	OECD 202	EC ₅₀ > 100 mg/L (Non-toxic)	PASS
Algae Growth Inhibition (72 h ErC ₅₀)	OECD 201	ErC ₅₀ > 100 mg/L (Non-toxic)	PASS
Soil Microbial Activity	OECD 216	No inhibition observed (> 90% of control)	PASS
Seed Germination & Plant Growth	OECD 208	No adverse effect	PASS
Heavy Metals (Pb, Cd, Hg, Cr, As)	USEPA 6010D / ICP-OES	Below detectable limits / Within permissible limits	PASS
REACH Compliance	Regulation (EC) No. 1907/2006	Compliant	PASS
RoHS Compliance	Directive 2011/65/EU & (EU) 2015/863	Compliant	PASS

Conclusion:

Based on the above results, the tested sample of SOILBIND® manufactured by MDRK United Industrial Co.
is considered environmentally friendly and complies with the relevant environmental safety standards.

For and on behalf of
SGS Gulf Limited

Eng. Abdulmajeed A. Al Tamimi
Operations Manager
Environment, Health & Safety

