ZEEL PRODUCT
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ISO 9001:2015 · ISO 14001:2015 · ISO 22000:2018

Certificate of Analysis

ZEELCHEM™ NDF — Non-Silicone Defoamer

CERTIFICATE OF ANALYSIS

BATCH NO. ZNDF/2611/052	MFG. DATE 05-11-2026	EXPIRY DATE 04-11-2027	COA NO. ZP/COA/NDF/2611/052
BATCH SIZE 2,000 kg	PACKING 50 kg HDPE carboy	DATE OF ANALYSIS 06-11-2026	DOCUMENT TYPE Specimen — reference

Test results

Parameter	Test method	Specification	Result
Appearance	Visual	Thick, milky white liquid emulsion	Thick, milky white liquid emulsion
pH (as such, 25 °C)	pH meter	6.0 – 8.5	7.4
Specific gravity (25 °C)	Hydrometer / density cup	0.95 – 1.02	0.98
Viscosity (25 °C), cP	Brookfield LVT, spindle 3, 30 rpm	1,000 – 3,000	1,820
Non-volatile matter (105 °C, 2 h), %	Gravimetric	25.0 – 30.0	27.4
Silicone content	FTIR (Si–O–Si band)	Nil	Not detected
Dilution stability (1:10 in water, 1 h)	Visual	No separation	Complies
Foam knockdown (0.1 %, shake test)	In-house method	≤ 45 s	20 s

SPECIMEN

Conclusion

✔ CONFORMS

The above batch conforms to all specifications of **ZEELCHEM™ NDF** and is approved for dispatch.

Analysed by
Quality Control Chemist

Approved by
QC Manager / Authorised Signatory

Specimen certificate for reference purposes only. Values shown illustrate the format and typical results; an original, signed COA with actual batch results is issued with every consignment.

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