CERTIFICATE

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Applicant	<name></name>
Description	Mineral oil standard VSL-002.
	With reference to your order dated <date> and reference number <ref^#>, VSL presents <amount> glass ampoule<s> containing approximately 5 ml of mineral oil. The number<s> of the ampoule<s are=""> <number(s)>.</number(s)></s></s></s></amount></ref^#></date>
	The mineral oil contains hydrocarbons in the range of C_{10} to C_{40} . The mineral oil VSL-002 is the successor VSL-001 oil.
Method of preparation	 Gravimetric preparation from Shell gas oil and Shell HVI 60 oil. The oil samples were mixed at a mass ratio of <ratio>, measurements have been carried out to compare the properties of the standard with those of VSL-001:</ratio> The contents of the diluted standard were determined by means of GC-FID and calibrated with diluted VSL-001. The ratio C₂₀-C₄₀:C₁₀-C₂₀ was determined for both the standard and VSL-001.
Result	As found in a study in 2023, the recovery of the contents in the diluted standard was on average (<value) %.<br="">The ratio C_{20}-C_{40}:C_{10}-C_{20} f the standard was on average found to be <value>. The results meet the requirements of e.g. the standard NEN 6978:2016 and EN-ISO 16703:2011.</value></value)>
Safety information	The ampoule <s> should be handled with care and by experienced personnel in a laboratory environment suitably equipped for the safe handling of oily materials.</s>
Instructions for use	The material can be used to validate and/or calibrate analytical methods applied.
Stability	The certificate is valid until <date> provided the sample is maintained at 4 $^{\rm o}{\rm C}$ after receipt.</date>
Remark	In case you have at your disposal supplementary data (of analysis) that could be of interest to us or others, we would highly appreciate to receive these.
	Cognedy

This certificate is electronically signed and sealed. This can be verified on www.vsl.nl/en/digital-certificates

The measurement results presented in this certificate only relate to the standard(s) as described in this certificate.

This certificate is issued under the provision that no liability is accepted, and that the applicant gives warranty for each responsibility against third parties.

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