

CERTIFICATE

Number <Number>

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Applicant	<Name>
Description	<p>Mineral oil standard VSL-002.</p> <p>With reference to your order dated <Date> and reference number <Ref^#>, VSL presents <amount> glass ampoule<s> containing approximately 5 ml of mineral oil.</p> <p>The number<s> of the ampoule<s> are> <number(s)>.</p> <p>The mineral oil contains hydrocarbons in the range of C₁₀ to C₄₀.</p> <p>The mineral oil VSL-002 is the successor VSL-001 oil.</p>
Method of preparation	<p>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:</p> <ul style="list-style-type: none">• 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	<p>As found in a study in 2023, the recovery of the contents in the diluted standard was on average (<value>) %.</p> <p>The ratio C₂₀-C₄₀:C₁₀-C₂₀ of the standard was on average found to be <value>.</p> <p>The results meet the requirements of e.g. the standard NEN 6978:2016 and EN-ISO 16703:2011.</p>
Safety information	<p>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.</p>
Instructions for use	<p>The material can be used to validate and/or calibrate analytical methods applied.</p>
Stability	<p>The certificate is valid until <date> provided the sample is maintained at 4 °C after receipt.</p>
Remark	<p>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.</p>
	<Signed>