

Viscosity Reference Materials

Viscosity plays an important role in the food, paint, pharmaceutical and chemical industry where viscometers are often used for quality and process control. To support the calibration of these viscometers, VSL offers a certification service to ensure traceability of the viscosity liquids to the national standard of doubly distilled water.

These Certified Reference Materials (CRM's) can be used as in-house reference materials or can be re-sold to end-users. The analysis is fully traceable to national standards and the certification facility is accredited by the Dutch Council for Accreditation (RvA) to comply with ISO/IEC 17025.

The stability of the viscosity liquids is guaranteed for one year, provided the liquid is stored in the dark, closed and at a temperature between 10 °C and 35 °C.

In the following table an overview is given of the certified viscosity liquids in stock, the nominal viscosity values at 20 °C and the relative uncertainties. In addition we can certify viscosity liquids at other temperatures between 15 °C and 140 °C or certify specially made viscosity liquids.

Liquid code	nominal kinematic viscosity bij 20°C	nominal dynamic viscosity at 20 °C	uncertainty
	mm ² /s	mPa.s	%
00001*	1	1	0,1
00002	2,2	1,8	0,15
00005	4,9	4	0,15
00010	10	8,9	0,15
00019	20	17	0,25
00065	67	58	0,3
00100	100	87	0,3
00140	132	116	0,3
00270	262	230	0,3
00530	540	477	0,35
00800	783	700	0,35
01300	1260	1085	0,4
01800	1800	1560	0,4
03600	3650	3175	0,45
05000	5075	4430	0,45
18000	18470	16300	0,5

Viscometric reference liquids data sheets

00001	MSDS 00001 UK.pdf
00002	MSDS 00002 UK.pdf
00005	MSDS 00005 UK.pdf
00010	MSDS 00010 UK.pdf
0019-00800	MSDS Vitrea NL.pdf
01000-18000	MSDS Indopol H35, H50, H100, H300,