

Viscosity Calibration Oils

Ref: 442



INTRODUCTION

The Sheen Instruments range of viscometer calibration oils have been specifically formulated for meeting the high exacting standards of the modern day laboratory. These oils are Premium quality UKAS - BS EN ISO / IEC 17025 Viscosity Standards, manufactured to the primary method for viscosity measurement, suitable for general laboratory use. This comprehensive range of calibration oils can be used with most viscometer types and most manufacturers models including Cone & Plate, Krebs, Sheen Rotothinner and flow cup viscometers.

FEATURES

- *High quality hydrocarbon 100% based oil*
- *Calibrated through temperature range 20 – 25°C inclusive, in 1° Celsius increments*
- *Nominal viscosity figure quoted at 25°C*
- *Values quoted in Kinematic Viscosity in mm²/s (cSt), Dynamic Viscosity in mPa.s (cP), krebs unit KU and density g/mL*

TECHNICAL SPECIFICATION

Sheen Product Ref Code:	Nominal value @ 25°C (mPa.s (cP)	Nominal value @ 25°C mm ² /s (cSt)	Nominal value @ 25°C Krebs (KU)	Expanded Uncertainty	
				Dynamic value	Kinematic value
442/1	50	59	42	+/- 0.26%	+/- 0.26%
442/2	75	88	44	+/- 0.27%	+/- 0.27%
442/3	100	115	46	+/- 0.27%	+/- 0.27%
442/4	150	174	50	+/- 0.28%	+/- 0.28%
442/5	200	233	54	+/- 0.28%	+/- 0.28%
442/6	250	289	56	+/- 0.28%	+/- 0.28%
442/7	300	352	60	+/- 0.28%	+/- 0.28%
442/8	350	405	62	+/- 0.28%	+/- 0.28%
442/9	390	446	64	+/- 0.28%	+/- 0.28%
442/10	500	580	69	+/- 0.29%	+/- 0.29%
442/11	750	862	78	+/- 0.29%	+/- 0.29%
442/12	1000	1160	86	+/- 0.29%	+/- 0.29%
442/13	1500	1718	97	+/- 0.29%	+/- 0.29%
442/14	2500	2860	114	+/- 0.29%	+/- 0.29%
442/15	3900	4530	130	+/- 0.29%	+/- 0.29%
442/16	6000	6900	149	+/- 0.29%	+/- 0.29%
442/17	7750	9000	160	+/- 0.30%	+/- 0.30%
442/18	10000	11300	172	+/- 0.30%	+/- 0.30%
442/19	15000	17000	193	+/- 0.30%	+/- 0.30%
442/20	20000	22500	207	+/- 0.30%	+/- 0.30%
442/21	14	17	38	+/- 0.26%	+/- 0.26%
442/22	28	33	40	+/- 0.26%	+/- 0.26%
442/23	390	447	64	+/- 0.28%	+/- 0.28%
442/24	2000	2300	107	+/- 0.29%	+/- 0.29%

Uncertainties stated do not include the uncertainty for the value of the viscosity of water at 20°C (ITS-90) having a value of 1.0034mm⁻² (cSt) +/-0.17%

The reported expanded uncertainty is based on a combined standard uncertainty multiplied by a coverage factor of K=2, providing a level of confidence of approximately 95%.

Owing to continuous development, we reserve the right to introduce improvements and modify specifications without prior notice.

Sheen INSTRUMENTS

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