

1 - Metals in Lubricating Oil

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

- Certified values are normal font
- Reference values are italicized
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SRM Description Unit Size	1085c Wear Metals in Lubricating Oil (10 ampoules (1.2 g each))	1848 Lubricating Oil Additive Package (100 g)
Elemental Composition (mass fraction in mg/kg unless noted by an asterik * for %)		
Aluminum (Al)	292	
Arsenic (As)		
Barium (Ba)	306	
Boron (B)	304	0.137*
Cadmium (Cd)	301	
Calcium (Ca)	299	0.359*
Chlorine (Cl)	(120)	927
Chromium (Cr)	302	
Cobalt (Co)		
Copper (Cu)	298	
Hydrogen (H)		12.3*
Iron (Fe)	301	
Lead (Pb)	303	
Magnesium (Mg)	300	0.821*
Manganese (Mn)	299	
Molybdenum (Mo)	305	
Nickel (Ni)	306	
Nitrogen (N)		0.57*
Phosphorus (P)	304	0.788*
Potassium (K)	295	
Elemental Composition (mass fraction in mg/kg unless noted by an asterik * for %)		
Silicon (Si)	293	50
Silver (Ag)	298	
Sodium (Na)	300	
Sulfur (S)		2.3270*
Tin (Sn)	298	

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Titanium (Ti)	<i>300</i>	
Vanadium (V)	<i>285</i>	
Zinc (Zn)	<i>285</i>	0.873*

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