

**Out of Stock - Item is not available at this time - Transformer oil - Water**

Art. ID	NIST-8506a
Unit	5 x 9,5 mL
Deliverydetails	No Dangerous Good /not restricted

Description

A unit of NIST-RM 8506a consists of five ampoules with each ampoule containing 9.5 mL of petroleum electrical insulating oil. The first coulometric value is the NIST result corrected for the coulometrically detected material present in the oil that reacts with iodine but is not water (interfering substances). Because the correction is new, two additional uncorrected values determined by the coulometric method in ASTM Standard D 1533-99 are provided: the NIST result, and a consensus result obtained from an interlaboratory study conducted among 14 laboratories from industry. The volumetric reference value, which has not been corrected for interfering substances, is significantly different from the coulometric results. Applying the coulometrically determined correction for interfering substances does not resolve this difference. The basis of the difference between coulometric and volumetric results in this material has not been fully resolved. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Reference value	Water	[7732-18-5]	12,1 ± 1,9	mg/kg	NIST coulometric mass concentration of water, ASTM method minus interferences	
Reference value	Water	[7732-18-5]	18,3 ± 1,9	mg/kg	NIST coulometric mass concentration of water, ASTM method	
Reference value	Water	[7732-18-5]	21,2 ± 1,7	mg/kg	Consensus coulometric mass concentration of water, ASTM method	
Reference value	Water	[7732-18-5]	34,5 ± 2,2	mg/kg	NIST volumetric mass concentration	

tion of wa  
ter, modif  
ied ASTM m  
ethod