

Colloidal silica - Silica (1.5 g/kg, zeta potential)

Art. ID ERM-FD305
Unit ampoule
Deliverydetails No Dangerous Good /not restricted

Description

ERM-FD305 consists of a suspension of silica particles at a mass fraction of 1.5 g/kg in a borate buffer at pH 8.9. The material is available in 5 mL pre-scored ampoules containing approximately 5 mL of suspension. This material is a joint production of the European Commission's Joint Research Centre (JRC) and the US National Institute of Standards and Technology (NIST). ERM-FD305 is identical to NIST SRM 1992.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
certified value	Mean electrophoretic mobility		- 4,5 ± 0,4	10-8m2V-1s		
				-1		
certified value	Mean zeta potential		- 58 ± 5	(mV)2		
additional material information	Conductivity		0,39	mS/cm		