

NIST TRACEABLE
SODA-LIME GLASS MICROSPHERES

Multi-Modal Image Analysis Standards

500-2000 μm

Part Number: IA030
Nominal Weight: 20.0g x 10 bottles

Certificate of Analysis

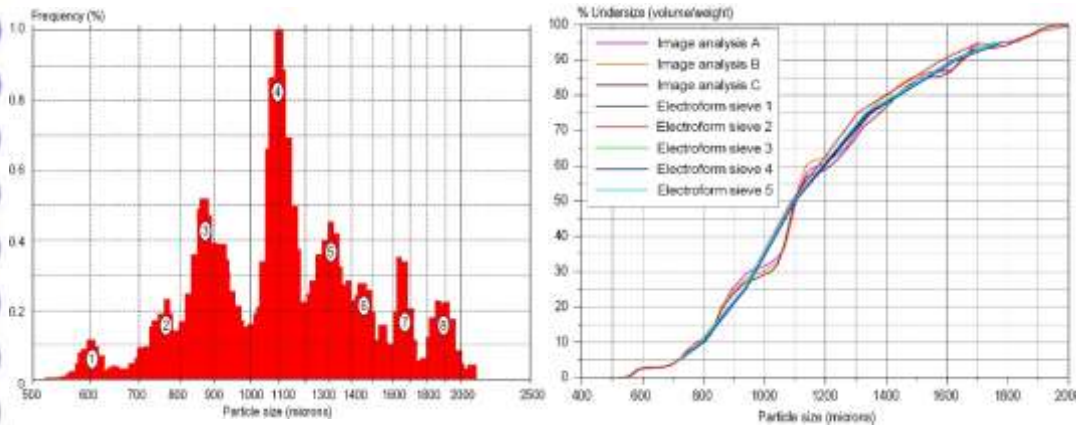


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Wiltshire Road
Wareham
Dorset DT9 7NB
UK

NIST TRACEABLE

MULTI-MODAL IMAGE ANALYSIS STANDARD



Issued by:



Dr G R Rideal
Founder & Senior Analyst

Notes:

- 1) Although the microscope repeatability is better than 2%, calibration results within 5% of the standard are acceptable.
- 2) Traceability gratitudes: NIST test # 821/263573-00, NPL ref # 0804038/970127/106-66.
- 3) For a summary of the analytical methods see - Rideal G R, Dodds J A & Pons M-N, Leschonski K, Lloyd P J, and Mercus H G, The Development of New Reference Standards for Particle Size Instrument Calibration, World Congress on Particle Technology 3, (ICChemE) July 1998, Brighton, UK.

Percentile	5	10	25	50	75	90	95	
Microscopy								
Mean Size under (vol) - μm	715	780	897	1101	1334	1652	1816	
Peak Number	1	2	3	4	5	6	8	
Size (vol) - μm	584-593	747-858	845-858	1081-1098	1281-1301	1363-1449	1614-1655	1826-1913
Total count = 33,241								
Electroformed Sieving								
Mean Size (wt) - μm	724	796	936	1098	1335	1618	1757	
Uncertainty - μm	5	10	9	11	32	40	57	

(5x10g)

EXAMPLE
EXAMPLE
EXAMPLE
EXAMPLE
EXAMPLE