

NIST TRACEABLE
SODA-LIME GLASS MICROSPHERES

Image Analysis Standard

1400-5000 μm

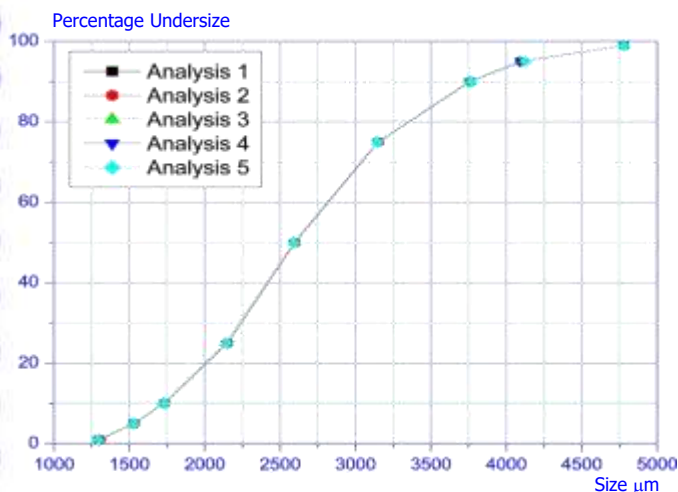
Part Number: IA035
Nominal Weight: 500g x 1 bottles

Certificate of Analysis



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Whatever the particle sizing method... we have the perfect solution! www.WhitehouseScientific.com +44 (0)1305 333020

NIST TRACEABLE
IMAGE ANALYSIS STANDARD



Issued by:



Dr G R Rideal
Founder & Senior Analyst

Notes:

- 1) This certificate is only applicable for repeated use of the sample provided any weight loss is restricted to 3%.
- 2) The primary particle sizing method was sieve analysis using NIST traceable wire woven sieves. Each sieve was calibrated microscopically using the following traceable stage reference gratitudes - NIST test no. 821/263573-00.
- 3) For a summary of the analytical method 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, (IChemE) July 1998, Brighton, UK.
- 4) Whitehouse Scientific Ltd does not accept responsibility for losses, financial or otherwise which may occur as a result of the interpretation or use of the information contained within this certificate.

Table Summary

Cumulative % Undersize	1	5	10	25	50	75	90	95	99
Analysis 1	1296	1531	1734	2155	2600	3155	3764	4092	4779
Analysis 2	1312	1538	1734	2155	2600	3155	3756	4092	4779
Analysis 3	1296	1523	1726	2140	2593	3147	3756	4092	4779
Analysis 4	1296	1534	1734	2147	2593	3147	3756	4092	4779
Analysis 5	1296	1531	1734	2147	2593	3147	3764	4123	4779
Mean Size - μm	1299	1531	1732	2149	2596	3151	3759	4098	4779
Uncertainty - μm (95% confidence)	14	11	7	13	8	9	9	27	0