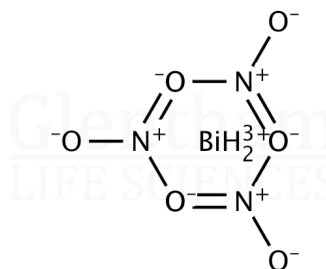


Certificate of Analysis

Product Name	Bismuth subnitrate, USP grade
Glentham Code	GK6111
CAS Number	1304-85-4
EINECS	215-136-8
MDL Number	MFCD00064844
Batch Number	330LYV
Molecular Weight	1461.98
Molecular Formula	$\text{Bi}_5\text{O}(\text{OH})_9(\text{NO}_3)_4$ (approx.)
Storage Temp.	+20°C



Property	Specification	Batch 330LYV
Physical Description	White powder	Conforms
Identification	To pass tests for Bismuth, Nitrate	Conforms
Carbonate Test	To pass test	Conforms
Chloride (Cl)	$\leq 0.035\%$	$\leq 0.035\%$
Sulphate (SO_4)	To pass test	Conforms
Arsenic (As)	$\leq 8\text{ppm}$	$\leq 8\text{ppm}$
Copper (Cu)	To pass test	Conforms
Lead (Pb)	To pass test	Conforms
Silver (Ag)	To pass test	Conforms
Alkalies and Alkaline Earth Metals	$\leq 0.5\%$	$\leq 0.5\%$
Ammonium Salts	To pass test	Conforms
Loss on Drying	$\leq 3.0\%$ (105°C, 2h)	0.01%
Assay (dried basis)	$\geq 79.0\%$ (as Bi_2O_3)	81.10%
Pharmacopoeia Specification(s)	USP	Conforms to USP

Specification Version	v1.0
Manufacture Date	2016-10-21
Re-Test Date	2027-05-14

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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