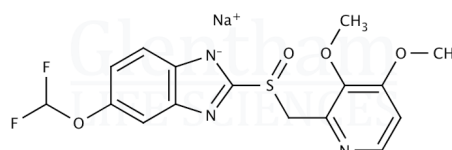


Certificate of Analysis

Product Name Pantoprazole sodium hydrate
Glentham Code GK4022
CAS Number 718635-09-7
Additional CAS 164579-32-2
Additional CAS 138786-67-1 (anhyd.)
Additional CAS 102625-70-7 (base)
Batch Number 143LNL

Molecular Weight 405.35 (anhydrous)
Molecular Formula $C_{16}H_{14}F_2N_3O_4S \cdot Na \cdot xH_2O$
Storage Temp. -20°C



Property	Specification	Batch 143LNL
Physical Description	White to off-white powder	Almost white powder
Identification	According to USP	Conforms
Heavy Metals	≤ 20ppm	Conforms
Organic Impurities	Compound A: ≤ 0.20%	0.01%
	Compound B: ≤ 0.15%	Not Detected
	Compound C: ≤ 0.10%	0.01%
	Compounds D + F: ≤ 0.20%	0.08%
	Any Other Impurity: ≤ 0.10%	0.01%
	Total impurities: ≤ 0.5%	0.2%
Water	5.0 - 8.0 %	6.4%
Assay	98.0 - 102.0 % (anhydrous basis)	99.60%
Pharmacopoeia Specification(s)	USP	Conforms to USP37

Specification Version v1.0
Manufacture Date 2015-04-22
Re-Test Date 2027-06-08

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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