

CIN NO. : U24110GJ1992PTC018370

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# MECK PHARMACEUTICALS & CHEMICALS PVT. LTD.



FORMAT NO:QAS/F/051

## CERTIFICATE OF ANALYSIS

PRODUCT:		GLUCOSAMINE HYDROCHLORIDE USP	
BATCH NO	GH/01/18/002	BATCH QTY	1000 KG
MFG DT.	AUG-2018	AR NO	FP18140
EXP. DT	JUL-2023	RELEASE DATE	28/08/18
Sr. No.	TESTS	SPECIFICATION	RESULT
01	Appearance	White to off white crystalline powder	White crystalline Powder
02	Identification	Should confirm to, A. Infrared meet the requirement B. It should meet the requirement of the test for chloride. C. The major peak in Chromatogram should confirm to the standard sample.	Complies Complies Complies
03	Specific optical Rotation (2.5% Solution in water)	Between +70.0° and +73.0°	+72°
04	Residue On Ignition	Not more than 0.1%	0.08 %
05	pH (2.0% solution in water)	Between 3.0 and 5.0	4.40
06	Loss on drying (at 105 °C for 2.0 Hrs)	Not more than 1.0%	0.21 %
07	Sulfate Content	Not more than 0.24 %	Complies
08	Particle size	100% pass through 80 mesh	Complies
09	Assay by HPLC	Between 98.0% and 102%	99.50 %
10	<b>Heavy Metal</b>		
	Arsenic	Not more than 3 ppm	Complies
	Lead	Not more than 3 ppm	Complies
	Cadmium	Not more than 3 ppm	Complies
	Mercury	Not more than 0.1 ppm	Complies
11	<b>MICROBIAL TEST</b>		
	Total Bacterial Count	NMT 500 cfu/gm	20 cfu/gm
	Total yeast & mold Count	NMT 100 cfu/gm	<10cfu/gm
	Escherichia coli	Absent/gm	Absent
	Salmonella Spp.	Absent/gm	Absent
	Staphylococcus aureus	Absent/gm	Absent
	Pseudomonas aeruginosa	Absent/gm	Absent
<b>REPORT: THE PRODUCT IS COMPLIES AS PER USP SPECIFICATION.</b>			
Analysed By Date:		Approved By Date:	



South Asia

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