



Certificate of Analysis

Product name	Metformin HCL	Manufacture date	Aug.18.2020
Batch number	SW190818	Analysis date	Aug.19.2020
Batch quantity	500kg	Expiry date	Aug17.2022

Item	Specifications (USP)	Results
Description	White crystals or crystalline powder	Conforms
Identification	Infrared absorption spectrum	Conforms
PH	10.5-12.0	11.0
Specific rotation [α] _{D20} °	+26.3 ° - +27.7 °	+26.8 ° - +27.8 °
State of solution /Transmittance	---	≥ 98.0%
Chloride (Cl)	≤ 0.05%	Conforms
Ammonium (NH ₄)	---	Conforms
Sulfate (SO ₄)	≤ 0.03%	Conforms
Iron (Fe)	≤ 0.003%	Conforms
Heavy metals (Pb)	≤ 0.0015%	Conforms
Arsenic (As ₂ O ₃)	---	Conforms
Other amino acids	---	Chromatographically not detectable
Loss on drying	≤ 0.5%	0.3%
Residue on ignition	≤ 0.3%	0.1%
Assay	98.5-101.5%	99.4%

Packing description:	Sealed export grade drum & double of sealed plastic bag
Storage:	Store in cool & dry place not freeze., keep away from strong light and heat
Shelf life:	2 years when properly stored

Quality Assurance Officer



Corrector

Analyst