



CERTIFICATE OF ANALYSIS

Product name	Medetomidine HCl	CAS NO	86347-15-1
Batch No.	20180715	Expiry date	2020.07
Report Date	2018-07-22	Quantity	5000g

Item	Specification	Result
Appearance	A white or almost white, crystalline powder, Very hygroscopic	Complies
Solubility	Very soluble in water, freely soluble in alcohol and in chloroform, practically insoluble in ether	Complies
Identification	Positive	Complies
Melting point	177°C ~ 182°C	179.1°C ~ 181.2°C
PH	3.0 ~ 5.0	4.2
Related substances	≤1.0%	Complies
Loss on drying	≤1.0%	0.05%
Heavy metals	≤10ppm	Complies
Residue on ignition	≤0.1%	0.08%
Residual solvents	Methanol ≤0.3%	Complies
	Alcohol ≤0.5%	Complies
	Ether ≤0.5%	Complies
	Dichlormethane ≤0.06%	Complies
Assay	≥98.5%	99.82%
Conclusion	Conforms to enterprise standard	

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