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CERTIFICATE OF ANALYSIS

Product Name	Tetracaine HCL	CAS No.	136-47-0
Batch No.	P020562017A	Mfg. Date	May 10, 2017
Quantity	200kg	Expiry Date	May 09, 2020
Packing	25kg/Drum	Report Date	May 16, 2017
Specification	USP39		

ITEM	SPECIFICATION	RESULT
Appearance	White crystalline power	White crystalline power
Solubility	Easily soluble in water, soluble in ethanol, insoluble in ether and benzene.	Complies
Identification	A. By IR, should be corresponds to the standard solution.	Complies
	B. Should identify significant chloride reaction	Complies
	C. The retention time of the major peak of the sample solution corresponds to that of the Standard solution, as obtained in the Assay.	Complies
Residue on Ignition	≤0.1%	0.03%
Organic Impurities		
Aminobenzoic acid	≤0.4%	Complies
Related compound B	≤0.4%	Complies
Related compound C	≤0.4%	Complies
Individual unspecified impurity	≤0.4%	Complies
Total impurities	≤0.8%	Complies
Water	≤2.0%	0.31%
Melting Range	About 148°C	148.0°C~149.3°C
Assay(on Anhydrous basis)	98.0~102.0%	100.05%
Residual Solvents		
Ethanol	≤5000ppm	Complies
Acetone	≤5000ppm	Complies
Toluene	≤890ppm	Complies
Conclusion	The product conforms to USP39.	
Remarks	N/A	

Analyst:

QC Manager:

QA: