



大连汉德姆精细化学品有限公司

DALIAN HANDOM CHEMICALS CO.,LTD.

Certificate of Analysis

Product Name: Medetomidine Hydrochloride

CAS No.: 86347-15-1

Batch No.: HDC20240626

Batch Quantity: 60.00kg

Manufacturing Date: Jun 26th, 2024

Retest Date: Jun 25th, 2026

Report Date: Jun 30th, 2024

Standard: In-house

Test Items	Specifications	Test Results
Appearance	Off-white to white powder	White powder
Identification	Chemical identification	Conforms
	Infrared spectrometry	Conforms
	Chloride identification	Conforms
pH Value	3.5 ~ 4.5	4.2
Clarity and Color of Solution	Clear and colorless, if there is the turbidity and color, less than turbidity-1 and yellow-1	Less than turbidity-1; colorless
Residue on Ignition	Not more than 0.1%	0.06%
Related Substances	Max single impurity: $\leq 0.2\%$	0.073%
	Total impurities: $\leq 1.0\%$	0.093%
Heavy Metals	Not more than 10 ppm	Conforms
Loss on Drying	Not more than 1.0%	0.074%
Residual Solvents	Methanol: $\leq 0.3\%$	0.022%
	Acetone: $\leq 0.5\%$	0.028%
	Dichloromethane: $\leq 0.06\%$	Not detected
Assay (on the anhydrous basis)	Not less than 99.0%	100.2%

Conclusion: The testing results of this batch are complied with the standard of In-house

