



DALIAN HANDOM CHEMICALS CO.,LTD.

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Certificate of Analysis

Product Name: Levamisole Hydrochloride

Molecular Formula: C₁₁H₁₃ClN₂S

Batch No.: HDC20231119

Manufacturing Date: Nov 19th, 2023

CAS No.: 16595-80-5

Molecular Weight: 240.75

Batch Quantity: 1000.00kg

Retest Date: Nov 18th, 2028

Test Items		Specifications	Test Results
Appearance		White or almost white crystalline powder	Conforms
Solubility		Freely soluble in water; soluble in ethanol (96 percent); slightly soluble in methylene chloride	Conforms
Identification	IR	Complies with reference spectrum of levamisole hydrochloride CRS	Conforms
	Chemical identification(Chloride)	Positive	Conforms
Related Substances (HPLC)	Impurity A	Not more than 0.2%	<0.05%
	Impurity B	Not more than 0.2%	<0.05%
	Impurity C	Not more than 0.2%	<0.05%
	Impurity D	Not more than 0.2%	<0.05%
	Impurity E	Not more than 0.2%	<0.05%
	Individual unspecified impurities	Not more than 0.10%	<0.05%
	Total impurities	Not more than 0.3%	0.0%
Appearance of Solution		Clear, not more intensely colored than reference solution Y ₇ .	Conforms
Loss on Drying		Not more than 0.5%	0.05%
Sulphated Ash		Not more than 0.1%	0.05%
Specific Optical Rotation (on the anhydrous basis)		-121.0°~ -128.0°	-122.8°
pH Value		3.0 ~ 4.5	4.2
Assay (on the anhydrous basis)		98.5% ~ 101.0%	99.8%

Conclusion: The testing results of this batch are complied with the current Standard of European Pharmacopoeia.

Storage Conditions: Preserved in unopened original containers in a cool dry place before using; kept away from direct sunlight, heat and moisture.