

# Specification

## Technical Data Sheet

<b>Product Name</b>	Ivermectin
<b>Product No</b>	21022571
<b>CAS Number</b>	70288-86-7
<b>Storage Temperature</b>	2 to 8 °C
<b>Molecular Weight</b>	875.11
	<b>Specification</b>
<b>Appearance</b>	White or yellowish crystalline powder
<b>Identification</b>	IR: Corresponds with that of CRS standard. HPLC: Retention time for H2B1b Corresponds with that of CRS standard
<b>Specific rotation</b>	-17° ~ -20°
<b>Water</b>	≤1.0%
<b>Appearance of Solution</b>	Clear and not more intensely coloured than BY7
<b>Assay</b>	95 -102%

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<b>Ethanol</b>	$\leq 5.0\%$
<b>Formamide</b>	$\leq 3.0\%$
<b>H2B1a/(H2B1a+H2B1b)</b>	$\geq 90.0\%$
<b>Related Substances - Single Impurity</b>	Single impurity (RRT1.3-1.5) not more than 2.5%. Other single impurity not more than 1.0%. Total impurity not more than 5.0%. Disregard limit not more than 0.05%.
<b>Sulphated Ash</b>	$\leq 0.1\%$
<b>Heavy Metals ( as Pb)</b>	$\leq 0.002\%$

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