

Technical Data Sheet
Ivermectin

Compound Information

Product Name: Ivermectin
CAS No.: 70288-86-7
Molecular Formula: C₄₈H₇₄O₁₄
Molecular Weight: 875.09
Revision Date: 2026-04-15



Analytical Information

Tests	Specifications
Appearance	White or yellowish-white crystalline powder
Assay	Bla ≥90%; 102% ≥ (Bla+B1b) ≥95%
Solution	Clear and not more intensely colored than reference solution BY7
Specific Rotation	-17° - -20°
Heavy Metals	≤20 ppm
Related Substances	Impurity with a relative retention of 1.3 to 1.5 ≤2.5%; Any other impurity (apart from the 2 principal peaks) ≤1.0%; The sum of all related sub.
Sulfated Ash	≤0.1%
Water Content	≤1.0%
MS	Pass test
1H NMR	Pass test

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