



## Certificate of Analysis

### Monensin Sodium Salt

**Catalog Number:** MS1008  
**Lot Number:** 0208802  
**CAS Number:** 22373-78-0  
**Molecular Formula:**  $C_{36}H_{61}NaO_{11}$   
**Molecular Weight:** 692.90  
**Storage:** 2°C – 8°C  
**Date of Manufacture:** November 20, 2017  
**Retest Date:** November 19, 2019

Test	Specification	Result
Appearance	White to off-white powder	Conforms
Assay (HPLC) <sup>1</sup>		
Monensin A	≥ 90%	90.2%
Monensin A&B	≥ 95%	95.1%
Potency		
Monensin A	≥ 900 mg/g	902 mg/g
Monensin A&B	≥ 950 mg/g	951 mg/g
Identification <sup>1</sup>	To match standard	Conforms
Melting Point	267°C – 269°C	267.9°C
Moisture (LOD) <sup>1</sup>	≤ 2.0%	0.18%
Residue on Ignition	8.0 – 12.0%	8.6%%
Solubility	Ethanol (25 mg/mL), Methanol (5 mg/mL)	Conforms

Approved by:

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