

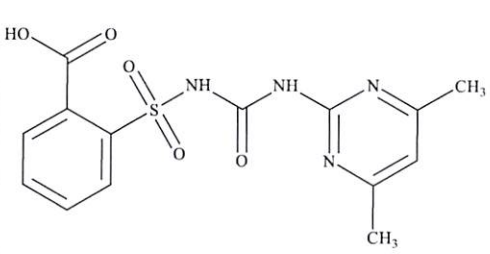
Certificate of Analysis

Certificate No.: **20250616001**



Date: June 16, 2025

Retest date: June 5, 2028

Compound Name: Sulfometuron	
Synonyms:	2-(N-((4,6-dimethylpyrimidin-2-yl)carbamoyl)sulfamoyl)benzoic acid
TLC Catalogue Number:	S-234001
CAS Number:	74223-56-6
Alternate CAS Number:	N/A
Molecular Weight:	350.35
Molecular Formula:	C ₁₄ H ₁₄ N ₄ O ₅ S
Source:	TLC Pharmaceutical Standards
Source Lot No.:	6895-069A3
Storage Conditions:	Store at 2-8 °C
Solubility:	DMSO, Alkaline solution



Test Description	Specifications	Results
Visual Description	White to off-white solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	99.4%
Impurity (HPLC)	RT 14.66, 0.55%	
Residual Solvents (NMR)	No residual solvent	
Assay (qNMR)	Not less than 90.0%	99.3%
Recommendation:	Release. The compound contains 0.6% Sulfometuron-Methyl (RT 14.66, TLC No. S-234004) according to its HPLC.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/17/2025
Approved by:	Quality Assurance		06/17/2025

Attachments: Peak Attribution Table, HPLC, IR, MS and NMR spectra.