



Certificate of Analysis

Fumaric Acid NF/FCC

Catalog Number: FA1007
Lot Number: 1230501r2
CAS Number: 110-17-8
Synonym(s): Butenedioic Acid
Molecular Formula: C₄H₄O₄
Molecular Weight: 116.07
Storage: 15°C – 30°C
Date of Manufacture: March 28, 2015
Retest Date: March 26, 2019 (new retest date)

Test	Specification	Result
Appearance	White powder	Conforms
Assay	99.5 – 100.5%	99.9%
Identification (FTIR)	To match standard	Conforms
Moisture	≤ 0.5%	< 0.02%
Residue on Ignition (Ash)	≤ 0.1%	< 0.1%
Maleic Acid	≤ 0.1%	< 0.1%
Lead	≤ 2ppm	< 2ppm
Particle Size		
On 20mesh	≤ 1.0%	0.0%
Thru 120mesh	≤ 12.0%	5.4%

Approved by:

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Date: January 16, 2018