Fisher Scientific L.L.C. US
755 US Highway
Route 202, Bridgewater,
NJ 08807, United States of America

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek Global Certificate Number. CERT-0120633

Catalogue Number	A9
Lot Number	262575
Description	ACETONE, NF/FCC/EP
CAS Number	67-64-1
Quality Test/Release Date	28/May/2026
Expiration Date	06/May/2029
Country of Origin	United States
Declaration of Origin	Organic - non animal
BSE/TSE	This material is derived from petroleum. It is not derived from, nor exposed to, material of bovine, ovine, or caprine origin during the manufacturing process, or during subsequent packaging operations.

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
EP Grade - ACIDITY OR ALKALINTY	PASS/FAIL	= PASS TEST	PASS TEST
EP Grade - ANY OTHER IMPURITY	%	<= 0.05	<0.05
EP Grade - APPEARANCE OF SOLUTION	CLEAR AND COLORLESS	= CLEAR AND COLORLESS	CLEAR AND COLORLESS
EP Grade - BENZENE	ppm	<= 2	<2
EP Grade - IDENTIFICATION (ALL LISTED)	CONFORMS TO STANDARD	= CONFORMS TO STANDARD	CONFORMS TO STANDARD
EP Grade - INSOLUBLE MATTER IN WATER	PASS/FAIL	= PASS TEST	PASS TEST
EP Grade - ISOPROPYL ALCOHOL	%	<= 0.05	<0.05
EP Grade - METHANOL	%	<= 0.05	<0.05
EP Grade - REDUCING SUBSTANCES	PASS/FAIL	= PASS TEST	PASS TEST
EP Grade - RELATIVE DENSITY	GM/ML	Inclusive Between 0.790 - 0.793	0.79
EP Grade - RESIDUE EVAPORATION	ppm	<= 50	2
EP Grade - WATER	G/L	<= 3	<3
FCC Grade - ACIDITY (AS ACETIC ACID)	%	<= 0.002	<0.002
FCC Grade - ALDEHYDE (AS HCHO)	%	<= 0.002	<0.002
FCC Grade - ALKALINITY (AS NH3)	mg/kg	<= 10	<10
FCC Grade - ASSAY (CH3COCH3) BY WEIGHT	%	Inclusive Between 99.5 - 100.5	99.8
FCC Grade - DISTILLATION RANGE - FINISH	DEGREES CELSIUS	Inclusive Between 55.1 - 57.1	57.0
FCC Grade - DISTILLATION RANGE - START	DEGREES CELSIUS	Inclusive Between 55.1 - 57.1	56.0
FCC Grade - DISTILLATION RANGE-ENTIRE	DEGREES CELSIUS	<= 1.0	1
FCC Grade - IDENTIFICATION (ALL LISTED)	CONFORMS TO STANDARD	= CONFORMS TO STANDARD	CONFORMS TO STANDARD
FCC Grade - METHANOL	%	<= 0.05	<0.05
FCC Grade - NON-VOLATILE RESIDUE	mg/kg	<= 10	<0.05
FCC Grade - PHENOLS	PASS/FAIL	= PASS TEST	PASS TEST

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.

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FCC Grade - REFRACTIVE INDEX AT 20 DEG C		Inclusive Between 1.358 - 1.360	1.359
FCC Grade - SOLUBILITY IN WATER	PASS/FAIL	= PASS TEST	PASS TEST
FCC Grade - SPECIFIC GRAVITY @ 25C		<= 0.788	0.787
FCC Grade - SUBSTANCES REDUCING KMNO4	PASS/FAIL	= PASS TEST	PASS TEST
FCC Grade - WATER	%	<= 0.5	0.2
N/A - COLOR	APHA	<= 10	<5
N/A - LEAD (Pb) BY ICP OES	mg/kg	<= 1	<1
N/A - MANUFACTURING DATE		= REPORT	5/6/26 11:28 AM
NF Grade - ASSAY (ANHYDROUS BASIS)	%	>= 99.0	99.8
NF Grade - IDENTIFICATION (ALL LISTED)	CONFORMS TO STANDARD	= CONFORMS TO STANDARD	CONFORMS TO STANDARD
NF Grade - NON-VOLATILE RESIDUE	%	<= 0.004	<0.004
NF Grade - READILY OXIDIZABLE SUBSTANCES	PASS/FAIL	= PASS TEST	PASS TEST
NF Grade - RESIDUAL SOLVENTS	PASS/FAIL	= PASS TEST	PASS TEST
NF Grade - SPECIFIC GRAVITY		<= 0.789	0.787
NF Grade - WATER	%	<= 0.5	0.2

Additional Information No Genetically Modified Organisms (GMO) are present in Acetone.

Ash Frey
Supervisor, Quality Control

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research use or further manufacturing. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

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