



Certificate of Analysis



Tris

Material: 0497
Grade: ULTRA PURE GRADE
Batch Number: 18K0956059

Chemical Formula: C4H11NO3
Molecular Weight: 121.14
CAS #: 77-86-1
Appearance:

Manufacture Date: 04/23/2018
Reassay Date: 04/23/2020
Storage: Room Temperature

White, crystalline powder to needle-like crystals

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Abs.@280nm (1M, Water)	<= 0.05	0.02	PASS
Abs.@290nm (40%, Water)	<= 0.2	0.1	PASS
Abs.@400nm (40%, Water)	<= 0.05	0.01	PASS
Arsenic	< 0.0005 %	<0.0005 %	PASS
Copper	< 0.0001 %	<0.0001 %	PASS
Identification	PASS / Fail	PASS	PASS
Insolubles	<= 0.005 %	0.005 %	PASS
Iron	< 0.0001 %	<0.0001 %	PASS
Lead	< 0.0001 %	<0.0001 %	PASS
Magnesium	< 0.0005 %	0.000036 %	PASS
Melting Point	168 - 172 Degrees C	170 Degrees C	PASS
Moisture (KF)	<= 1.0 %	<0.1 %	PASS
pH (5%, Water) @25C	10.0 - 11.5	10.8	PASS

Internal ID #: 653

Signature	Additional Information
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We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.



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TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Purity	>= 99.9 %	100.1 %	PASS
Solubility (10%, Water)	PASS / Fail	PASS	PASS

Spec Set: 0497UP

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