

PRODUCT SPECIFICATION SHEET
ACETONE
MEETS ASTM D-329

Main Catalog #: 32900ASTM– Size Code*

Available in the following sizes:

*Refer to Master Price List – Individual package sizes have unique size codes

TEST	MONO GRAPH	SPECIFICATION	TYPICAL ANALYSIS
Assay, min (corrected for water)	ACS D-329	99.5%	99.9%
Assay, min (anhydrous basis)	NF	99.0%	99.7%
Appearance	ACS	Clear Liquid with Characteristic Odor	Pass
Identification Test A (IR)	NF	Conforms to Infrared Spectra	Pass
Identification Test B (GC)	NF	Conforms to Reference Chromatogram	Pass
Specific Gravity @ 25°C, max.	NF	0.7890	0.787
Apparent Specific Gravity	D-329	0.7910 - 0.7930 @20C 0.7865 - 0.7885 @25C	0.7922 0.7883
Color (APHA), max	ACS	10	1
Color Pt-Co	D-329	5 max.	1
Residue After Evaporation, max	ACS	10 ppm	<10 ppm
Non-Volatile Residue, max	NF	0.004%	<0.001%
Nonvolatile Matter	D-329	NMT 5mg/100mL	<1 mg/100mL
Readily Oxidizable Substances Substances Reducing KMnO ₄	NF ACS	Color doesn't completely disappear in 15 min.	Pass Pass
Permanganate Time	D-329	To Pass Test	Pass
Solubility In Water	ACS	Solution remains clear for 30 min.	Pass
Water Miscibility	D-329	To Pass Test	Pass
Titration Acid, max	ACS	0.0003 meq/g	0.0002 meq/g
Acidity (as free acetic acid)	D-329	0.002% max.	< 0.002%
Titration Base, max	ACS	0.0006 meq/g	0.0001 meq/g
Alkalinity (as ammonia)	D-329	0.001% max.	<0.001%

TEST	MONO GRAPH	SPECIFICATION	TYPICAL ANALYSIS
Aldehyde (as HCHO), max	ACS	0.002%	<0.002%
Aldehydes	D-329	To Pass Test	Pass
IPA, max	ACS	0.05%	<0.001%
Methanol, max	ACS	0.05%	<0.05%
Water, max	ACS NF D-329	0.5%	0.2%
UV Absorbance @ 400nm 350nm 340nm 330nm	ACS/HPLC	U.A. 0.01 0.02 0.10 1.00	U.A. 0.000 0.000 0.040 0.650
Liquid Chromatography	ACS/HPLC	To Pass Test	Pass
Absorbance	ACS/HPLC	To Pass Test	Pass
Gradient Elution	ACS/HPLC	To Pass Test	Pass
Gradient Analysis at 254nm, Max.	ACS/HPLC	To Pass Test	Pass
Odor	D-329	Nonresidual	Pass
Distillation Range @760 mmHg	D-329	Distills entirely within 1.0C range, including 56.1C	Pass

Form Acetone, ASTM, Rev.1.1, 07/19, PJM

This product is for further commercial manufacturing, laboratory or research use, and may be used as a process solvent for pharmaceutical purposes. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user.