



Northwest Scientific, Inc.

SPECIFICATION SHEET

ACETONE ACS/HPLC GRADE

Product(s): 41135N, 4113N

Revision: A

Packaging: 4 x 1 CASE, 20 liter HDPE

Required on C of A: ACS/HPLC GRADE

Test	Monograph	Specifications	Typical Lot Analysis
Assay, min (anhydrous basis)	ACS	99.9%	99.9%
Assay, min (corrected for water)	ACS	99.5%	99.8%
Appearance	ACS	Clear Liquid with Characteristic Odor	Pass
Color (APHA), Max	ACS	10	
Residue After Evaporation, max	ACS	10 ppm	<10 ppm
Readily Oxidizable Substances	ACS	Color doesn't completely disappear in 15 min.	Pass
Solubility in Water	ACS	Solution remains clear for 30 min.	
Tirable Acid, max	ACS	0.0003 meq/g	0.0002 meq/g
Tirable Base, max	ACS	0.0006 meq/g	0.0001 meq/g
Aldehyde (as HCHO), max	ACS	0.002%	<0.002%
IPA, max	ACS	0.05%	<0.001%
Methanol, max	ACS	0.05%	<0.05%
Water, max	ACS	0.5%	0.2%
Apparent Density @ 25C, max.	ACS/HPLC	0.7857 g/mL	0.7849g/mL
UV Absorbance @	ACS/HPLC	U.A.	U.A.
400nm	0.01		0.000
350nm	0.02		0.000
340nm	0.10		0.040
330nm	1.00		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

Filtered to 0.2 microns

Approved by: Orlando Masi, Director of Quality