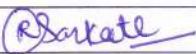

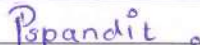


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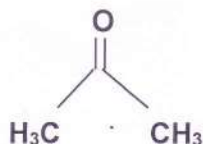
Sr.No.	Test	Specifications	Result
1	Description	Transparent, colorless, mobile, volatile liquid having characteristic odour. A solution (1 in 2) is neutral to litmus.	QC/PH-FG/SPEC/03-01
2	Solubility	Miscible with water, with alcohol, with ether, with chloroform & with most volatile oils	QC/PH-FG/SPEC/03-02
3	Identification a) By IR	The spectrum obtained with the substance to be examine corresponds in position & relative intensity to those in the spectrum obtained with that of Acetone USP CRS or its working standard (Purity Index should not be less than 0.99)	QC/PH-FG/SPEC/03-03
	b) By GC	The retention time of the test solution corresponds to that of Acetone USP CRS or its working standard (WS), as obtained in the Assay.	QC/PH-FG/SPEC/03-04
4	Specific Gravity at 25°C	Not more than 0.789	QC/PH-FG/SPEC/03-05
5	Water (By GC)	Not more than 0.5%	QC/PH-FG/SPEC/03-06
6	Nonvolatile residue	The weight of the residue does not exceed 2 mg (0.004%)	QC/PH-FG/SPEC/03-07
7	Readily Oxidizable substances	The permanganate color of the mixture does not completely disappear within 15 minutes.	QC/PH-FG/SPEC/03-08
8	Assay (By GC)	Not less than 99.0% on the anhydrous basis.	QC/PH-FG/SPEC/03-04
9	Residual solvents		QC/PH-FG/SPEC/03-09
	a) Benzene	Not more than 2 ppm (v/v)	
	b) Methanol	Not more than 3000 ppm v/v	
	c) 2-Propanol	Not more than 5000 ppm v/v	

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	PREPARED BY	CHECKED BY	AUTHORIZED BY
	Q.C	Q.C	Q.A
SIGNATURE			
DATE	06/07/2021	06/07/2021	06/07/2021

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GENERAL INFORMATION

Structure:

Molecular Formula: C₃H₆O

Molecular weight: 58.08

Desirable Pack:

To be supplied in MS drums/SS containers/HDPE containers/HM-HDPE containers and Glass bottles. properly identified with a label having Name of the material, Name of the Manufacturer, Quantity, Manufacturer's Batch Number, Manufacturing Date, Expiry Date and or Retest Date.

Storage Condition:

Preserve in tight containers, remote from fire.

Handling precaution:

Use PPE (Personal Protective Equipments) during handling of the material.

Sampling SOP:

As per the current approved sampling procedure.

Quantity to be sampled:

Analysis Sample: About 550 ml

Control Sample: About 1100 ml

Stability Sample: About 5040 ml

Shelf Life:

Three years from the date of manufacturing.

Note:
1. For Bullet, Filter, Supporting equipments rinsing and Filter cleaning-

- If previous product is any grade of Acetone, then perform Description, Solubility, Identification By IR tests as per specification.
- If previous product is different then, perform Appearance, Solubility as per FG specification and calculate it's carry over by using "Purity (By GC)" method from Raw material specification. (Limit - NMT 0.2%)
QC/SPEC/ACETONE_RM/01

2. For Tanker Rinsing-

- Perform Description, Solubility, Identification, Specific Gravity at 25°C, Non volatile residue, Assay (By GC) and Water (By GC) tests as per FG specification.

3. Blending and Packing-

- Perform all tests as per FG specification.
- 4. Residual solvents test to be perform only for packing.

5. For Stability testing-

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- Perform Description, Solubility, Identification, Specific Gravity at 25°C, Non volatile residue, Assay (By GC), Water (By GC) and Residual solvents tests as per FG specification. (Stability quantity- 500 ml for single analysis).

Document number	Supersedes	Changes made	Reason for change
QC/PH-FG/SPEC/03	Rev. no. 0	Format change – 1. General Information added. 2. History page added. 3. Reference updated	As per requirement of Schedule M. USP-36 NF-31
	Rev. no. 1	Reference updated	USP-37 NF-32
	Rev. no. 2	1. For Assay (By GC) testing Detector temperature is reduced from 280°C to 230°C. For Water (By GC) testing Split ratio is adjusted from 4.5:1 to 1:10 Column length and column hold time is increased from 50m to 60m and 0-15 min respectively for water (By GC) test. 2. RUNA Logo inserted along with name of company	Refer Change Control No. RCPL/CC/QC/001-15 As per SOP of Document and Data control
	Rev. no. 3	Reference updated	USP-38 NF-33
	Rev. no. 4	Reference updated	USP-39 NF-34 (Refer Change Control No. RCPL/CC/QC/002-16)
	Rev. no. 5	Reference updated	USP-40 NF-35 (Refer Change Control No. RCPL/CC/QC/002-17)
	Rev. no. 6	1. Reference updated. 2. Mentioned tests to be perform for Bullet Rinsing, Filter Rinsing and Tanker Rinsing. 3. Shelf Life is added.	USP-41 NF-36 (Refer Change Control No. RCPL/CC/QC/003-18)
	Rev. no. 7	1. Mentioned tests to be perform for Supporting equipments 2. Quantity of Stability sample is added.	Refer Change Control No. RCPL/CC/PDN/003-18
	Rev. no. 8	1. Reference updated 2. Test wise method of analysis (MOA) is prepared. Method of Analysis No. is added.	USP-42 , NF-37 Refer Change Control No. RCPL/CC/QC/003-19
	Rev. no. 9	1. In MOA No. QC/PH-FG/SPEC/03-01 a) Procedure is updated b) "Interpretation" is added.	(Refer Change Control No. RCPL/CC/QC/004-20)

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- 2. In MOA No. QC/PH-FG/SPEC/03-02
 - a) Procedure is updated.
 - b) "Interpretation" is added.
- 3. In MOA No. QC/PH-FG/SPEC/03-03
 - a) Procedure is updated for addition of spectrum range, Working std. added with CRS
 - b) Purity index is added.
 - c) The term sample replaced by substance to be examine
 - d) "Interpretation" is added.
- 4. In MOA No. QC/PH-FG/SPEC/03-04
 - a) Chromatographic condition is updated for addition of Auxiliary gas, Purge flow and Column flow, Makeup flow, Hydrogen, Air flow and Equilibration time.
 - b) The term sample replaced by substance to be examine
 - c) Solution preparation is updated for addition of test solution.
 - d) Working standard added with CRS
- 5. In MOA No. QC/PH-FG/SPEC/03-05
 - a) The term sample replaced by substance to be examine
 - b) "Limit" is added.
- 6. In MOA No. QC/PH-FG/SPEC/03-06
 - a) Chromatographic condition is updated for addition of Auxiliary gas, Linear velocity, Purge flow, Column flow and Equilibration time.
 - b) Solution preparation is updated for addition of test solution.
 - c) In procedure term sample replaced by Test solution
- 7. In MOA No. QC/PH-FG/SPEC/03-07
 - a) The term sample replaced by substance to be examine
 - b) "Limit" is added.
- 8. In MOA No. QC/PH-FG/SPEC/03-08
 - a) The term sample replaced by subsatnce to be examine
- 9. In MOA No. QC/PH-FG/SPEC/03-09
 - a) Chromatographic condition is updated

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		<p>for addition of Auxiliary gas, Purge flow and Column flow, Makeup flow, Hydrogen, Air flow and Equilibration time.</p> <p>b) In procedure sample term replaced by Test solution</p> <p>10. Following points are added in general information.</p> <p>a) Filter cleaning is added.</p> <p>b) Quantity to be sampled is modified by adding term "About"</p> <p>c) Mentioned tests to be performed for stability testing.</p> <p>d) Quantity for stability sample for single analysis is added.</p>	
	Rev. no. 10	<p>Reference updated.</p> <p>In MOA No. QC/PH-FG/SPEC/03-07- Procedure is update for addition of drying time in an oven.</p>	<p>USP-NF-2021</p> <p>Refer Change Control No. RCPL/CC/QC/002-21)</p>

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