

Rev.10	SPECIFICATION		Reference	
			Ph Eur - 11.0	
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Sr.No.	Test	Specifications	Method of Analysis N	
1	Appearance	Volatile, clear, colourless liquid.	QC/PH-FG/SPEC/02-01	
2	Solubility	Miscible with water and with ethanol (96%).	QC/PH-FG/SPEC/02-02	
	Identification a) Relative density at 20°C	0.790 to 0.793 at 20°C	QC/PH-FG/SPEC/02-03	
3 b) Chemical test		An intense red colour is produced which becomes violet with the addition of 3.5ml of acetic acid R.	QC/PH-FG/SPEC/02-04	
	c) Chemical test	A greenish-blue colour should be produced.	QC/PH-FG/SPEC/02-05	
4	Appearance of solution	The solution is clear and colourless.	QC/PH-FG/SPEC/02-06	
5	Acidity or alkalinity	On addition of 0.5 ml of 0.01M sodium hydroxide, solution should be pink. On addition of 0.7 ml of 0.01M hydrochloric acid, solution should be related or orange.	QC/PH-FG/SPEC/02-07	
6	Relative density at 20°C	0.790 to 0.793 at 200	QC/PH-FG/SPEC/02-03	
7	Reducing substances	The mixture strong ner be accompletely decoloringed.	QC/PH-FG/SPEC/02-08	
8	Related substances (By GC) a) Impurity A (Methanol) b) Impurity B (IPA) c) Impurity C (Benzene) d) Any other impurity	Not more than 0.05% v/v Not more than 0.05% v/v Not more than 2 ppm v/v Not more than 0.05% v/v	QC/PH-FG/SPEC/02-09	
9	Matter insoluble in water	The solution should be clear.	QC/PH-FG/SPEC/02-10	
10	Residue on evaporation	Maximum 50 ppm	QC/PH-FG/SPEC/02-11	
11	Water	Maximum 3 g/L	QC/PH-FG/SPEC/02-12	
12	Residual solvents (By GC) a) Benzene b) Methanol c) 2-Propanol	Not more than 2 ppm v/v Not more than 3000 ppm v/v Not more than 5000 ppm v/v	QC/PH-FG/SPEC/02-13	

	PREPARED BY	CHECKED BY	AUTHORIZED BY	
	Q.C	Q.C	Q.A	
SIGNATURE	iphale	Chu.	Pspandit .	
DATE	24/12/2022	27/12/2022	27/12/2022	

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GENERAL INFORMATION

Structure:

CH₃

Molecular Formula: CaHeO

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:

Protected from light.

Handling precaution:

Sampling SOP:
As per the current approved sampling procedure. (SOP/QC/GE/91)

Quantity to be sampled:
Analysis Sample: About 560 ml
Control Sample: About 1120 ml
Stability Sample: About 6360 ml

Shelf Life:
Three years from "

Three years from the date of manufacturing.

Note:

For Bullet, Filter, Supporting equipments Rinsing and Filter cleaning-

- > If previous product is any grade of Acetone, then perform Appearance, Solubility, Identification by Relative density at 20°C and Water tests as per FG specification.
- If previous product is different then, perform Appearance, Solubility test as per FG specification and calculate previous product carry over by using "Purity (By GC)" method from Raw material specification. (Limit - NMT 0.2%) QC/SPEC/ACETONE RM/01

For Tanker Rinsing-

> Perform Appearance, Solubility, Identification, Related substances (By GC), Residue on evaporation and Water tests as per FG specification.

Blending and Packing-

- > Perform all tests as per FG specification.
- Residual solvents (By GC) test to be perform only for Packing.

4. For Stability testing-

Perform Appearance, Solubility, Identification, Related substances (By GC), Residue on evaporation, Water and Residual solvents (By GC) tests as per FG specification. (Stability sample quantity- About 530 ml for single analysis).



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Document number	Supersedes	Changes made	Reason for change
QC/PH-FG/SPEC/02	Rev. 0	Format change – 1. General Information added. 2. History page added. 3. Referance updated	As per requirement of Schedule M. Ph. Eur-7.0
	Rev. 1	Reference updated	As per SOP of Documen and Data control
·	Rev. 2	Reference updated Detector temperature is reduced from 250°C to 225°C. Split ratio is increased from 1:50 to 1:5 And Column length and ID is increased form 50m to 60m and 0.3 to 0.32 respectively.	Ph. Eur -8.0 Refer Change Control No RCPL/CC/QC/001-15
	Rev. 3	Reference updated	Ph. Eur -9.0 Refer Change Control No RCPL/CC/QC/009-16
	Rev. 4	Reference updated Mentioned tests to be perform for Bullet Ripsing, Filter Rinsing and Tapker Rivsing. Shelf life is added.	Ph. Eur -9.5 Suppliment. Refer Change Control No RCPL/CC/QC/008-18
	Rev. 5	Supporting equipments. 2. Quantity of Stability sample is added.	(Refer Change Control No RCPL/CC/PDN/003-18)
	Rev. 6	Test wise method of analysis (MOA) is prepared. Method of Analysis No. is added.	(Refer Change Control No. RCPL/CC/QC/003-19)
	Rev. 7	1. Reference updated. 2. In MOA No. QC/PH-FG/SPEC/02-01 a) Procedure is updated b) "Interpretation" is added. 3. In MOA No. QC/PH-FG/SPEC/02-02 c) Procedure is updated d) "Interpretation" is added. 4. In MOA No. QC/PH-FG/SPEC/02-03 a) The term "sample" replaced by "substance to be examine" b) "Limit" is added. 5. In MOA No. QC/PH-FG/SPEC/02-04 a) Solution preparation is updated. b) The term "sample" replaced by "substance to be examine"	Ph.Eur 10.0 (Refer Change Control No. RCPL/CC/QC/008-19)



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		for addition of Injection mode, Total Flow and Pressure. Procedure is updated for injection sequence. 3. Residual solvents (By GC) test is added also new MOA No.QC/PH-FG/SPEC/02-13 is added. Same test is added in stability testing. 4. Quantity to be sampled and stability quantity for single analysis is updated. 1. Reference updated.	s .	

REFERENCE.