



ENQUIRY REF. No.	KAPL/QAD/020/2276
DATE	14.03.2026
DUE DATE	20.03.2026 (13.00HRS)

Dear Sir,

Please submit your lowest and competitive offer in TWO SEALED ENVELOPE, DULY SUPERSCRIBING OUR ABOVE ENQUIRY REF. NO., DATE and DUE DATE on it/ with other details of F.O.R terms, Taxes, Credit period, Delivery offered, Name of the Make, Detailed Specification etc., for below mentioned material/s

SL. NO.	ITEM CODE	ITEM DESCRIPTION	UOM	QTY
01	QSPDPP3002	HPLC COLUMN 3.9 MM X 30 CM,10 MICRON PACKING L1	NOS	01

Please ensure that your offer reaches us on or before Due Date by courier OR Speed post or By hand in sealed cover only to below office address:

M/s. Karnataka Antibiotics and Pharmaceuticals Limited Plot No.37, Arka The Business Centre ,NTTF Main Road, Peenya Industrial Area 2nd Phase ,Bengaluru-560058 ph. No.080-23571590

OTHER TERMS:

- | | |
|---------------------------------|-----------------------------------|
| 1. F.O.R TERMS | : DOOR DELIVERY TO PEENYA FACTORY |
| 2. GST % | : PLEASE SPECIFY |
| 3. PACKING & FORWARDING CHARGES | : NOT APPLICABLE |
| 4. CREDIT PERIOD | : 30 DAYS |
| 5. DELIVERY OFFERED | : |
| 6. ATTACHED PAGES | : 03 |

NOTE:

- 1).IF YOU ARE NOT PARTICIPATING IN THE TENDER PLEASE SEND A REGRET LETTER .
- 2).VENDER HAS TO QUOTE AS PER OUR TENDER IN YOUR COMPANY LETTER HEAD.
- 3).QUOTATION MUST BE SUBMITTED IN TWO SEALED COVERS (TECHNICAL&COMMERCIAL /PRICE BID)SEPARATELY AND IN ONE ENVELOP OR ELSE YOUR PROPOSAL WILL NOT BE CONSIDERED.

IF YOU NEED ANY CLARIFICATION , PLEASE CONTACT US.

Thanking you,

Yours faithfully,
For KARNATAKA ANTIBIOTICS
& PHARMACEUTICALS LIMITED

YUVARAJA M
DEPUTY MANAGER PURCHASE DEPT

QUALITY CONTROL DEPARTMENT


**KARNATAKA ANTIBIOTICS &
PHARMACEUTICALS LIMITED**

(A Government of India Enterprise)

User Requirement specifications**Material Description** : HPLC COLUMN 3.9 MM X 30 CM 10 μ M, Packing L1 (USP)**URS Number**: QC/URS/001/03/26**1. Description and Quantity:**

Material Description	HPLC COLUMN 3.9 MM X 30 CM 10 μ M, Packing L1 (USP)
Item code	QSPDPP3002
Quantity/ Box	1
Product Name:	Cefoperazone Sodium USP

2. User Specifications:

#	Requirement	Specification
1	Specification	HPLC COLUMN 3.9 MM X 30 CM 10 μ M, Packing L1 (USP)
6	Particle size	10 μ m
7	Length (cm)	30
8	Internal Diameter (I.D.)	3.9 mm
11	External Construction Materials	Stainless Steel
14	USP Classification	L1

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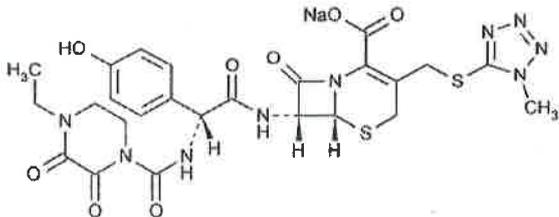
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Do not distribute

Cefoperazone Sodium

Change to read:


 $C_{25}H_{26}N_9NaO_8S_2$ 667.65

5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[[(4-ethyl-2,3-dioxo-1-piperazinyl)carbonyl]amino](4-hydroxyphenyl)acetyl]amino]-3-[[[(1-methyl-1H-tetrazol-5-yl)thio)methyl]-8-oxo-, monosodium salt, [6R-[6 α ,7 β (R*)]]-;

Sodium (6R,7R)-7-[(R)-2-(4-ethyl-2,3-dioxo-1-piperazinecarboxamido)-2-(4-hydroxyphenyl)acetamido]-3-[[[(1-methyl-1H-tetrazol-5-yl)thio)methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate] CAS RN[®]: 62893-20-3; UNII: 5FQG9774WD.

DEFINITION

Cefoperazone Sodium contains the equivalent of NLT 870 μ g/mg and NMT 1015 μ g/mg of cefoperazone ($C_{25}H_{27}N_9O_8S_2$), calculated on the anhydrous basis.

IDENTIFICATION

- **A.** The retention time of the major peak of the *Sample solution* corresponds to that of the *Standard solution*, as obtained in the *Assay*.
- **B.** **IDENTIFICATION TESTS—GENERAL (191), Chemical Identification Tests, Sodium:** Meets the requirements

ASSAY

Change to read:

PROCEDURE

Solution A: Place 14 mL of triethylamine and 5.7 mL of glacial acetic acid in a 100-mL volumetric flask, and dilute with water to volume.

Mobile phase: Acetonitrile, Δ 1 M acetic acid TS, Δ (USP 1-Dec-2023) *Solution A*, and water (120: 2.8: 1.2: 876)

Standard solution: 0.16 mg/mL of cefoperazone from USP Cefoperazone Dihydrate RS in *Mobile phase*

Sample solution: 0.16 mg/mL of cefoperazone from Cefoperazone Sodium in *Mobile phase*

Chromatographic system

(See Chromatography (621), System Suitability.)

Mode: LC

Detector: UV 254 nm

Column: Δ 3.9-mm Δ (USP 1-Dec-2023) \times 30-cm; Δ 10- μ m Δ (USP 1-Dec-2023) packing L1

Flow rate: 2 mL/min

Injection volume: 10 μ L

System suitability

Sample: *Standard solution*

Suitability requirements

Tailing factor: NMT 1.5

Relative standard deviation: NMT Δ 0.73% Δ (USP 1-Dec-2023)

Analysis

Samples: *Standard solution* and *Sample solution*

Calculate the quantity, in μ g/mg, of cefoperazone ($C_{25}H_{27}N_9O_8S_2$) in the portion of Cefoperazone Sodium taken;

$$\text{Result} = (r_U/r_S) \times (C_S/C_U) \times P$$

r_U = peak response of cefoperazone from the *Sample solution*

r_S = peak response of cefoperazone from the *Standard solution*

C_s = concentration of cefoperazone in the *Standard solution* (mg/mL)

C_u = concentration of cefoperazone in the *Sample solution* (mg/mL)

P = potency of cefoperazone in USP Cefoperazone Dihydrate RS (µg/mg)

Acceptance criteria: 870–1015 µg/mg on the anhydrous basis

SPECIFIC TESTS

• **CRYSTALLINITY (695):** Meets the requirements

• **pH (791)**

Sample solution: 250 mg/mL of Cefoperazone Sodium in water

Acceptance criteria: 4.5–6.5

• **WATER DETERMINATION (921), Method I:** NMT 5.0%

Delete the following:

▲ **STERILITY TESTS (71)**▲ (USP 1-Dec-2023)

Delete the following:

▲ **BACTERIAL ENDOTOXINS TEST (85)**▲ (USP 1-Dec-2023)

ADDITIONAL REQUIREMENTS

• **PACKAGING AND STORAGE:** Preserve in tight containers.

Delete the following:

▲ **LABELING**▲ (USP 1-Dec-2023)

• **USP REFERENCE STANDARDS (11)**

USP Cefoperazone Dihydrate RS

Auxiliary Information - Please check for your question in the FAQs before contacting USP

Topic/Question	Contact	Expert Committee
CEFOPERAZONE SODIUM	<u>Documentary Standards Support</u>	SM12025 Small Molecules Therapeutic Areas 1
REFERENCE STANDARDS SUPPORT	RS Technical Services <u>RSTECH@usp.org</u>	SM12025 Small Molecules Therapeutic Areas 1

Chromatographic Database Information: Chromatographic Database

Most Recently Appeared In:

Pharmacopeial Forum: Volume No. 48(3)

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