कर्नाटका एन्टिबायोटिक्स एण्ड फार्मास्युटिकल्स लिमिटेड
(भारत सरकार का उद्यम)
KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LIMITED
(A Government of India Enterprise)

ENQUIRY REF. No.	KAPL/QAD/020/1991
DATE	06/12/2024
DUE DATE	10/12/2024 (13.00HRS)

Dear Sir,

Please submit your lowest and competitive offer in a SEALED ENVELOPE, DULY SUPERSCRIBING OUR ABOVE ENQUIRY REF. NO., DATE and DUE DATE on it/ OR MAIL, 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	QSPHPL222	25CMX4.6MM C8 5 MICRON (SYMMETRY C8)	NOS	02

1)Please ensure that your offer reaches us on or before Due Date by courier OR speed post Or you can also mail us to our email: purenp@kaplindia.com
2) Please send your quotation mentioning item code

OTHER TERMS:

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

NOTE: IN CASE YOU ARE NOT QUOTING PLEASE SEND THE REGRET LETTER.

Thanking you,

Yours faithfully,
For KARNATAKA ANTIBIOTICS
& PHARMACEUTICALS LIMITED

6/12

YUVARAJA M
DEPUTY MANAGER PURCHASE DEPT
MOB:9945317873

QUALITY CONTROL DEPARTMENT		KARNATAKA ANTIBIOTICS & PHARMACEUTICALS LIMITED (A Government of India Enterprise)

User Requirement specifications

Material Description : HPLC COLUMN 25 cm x 4.6mm, C8, 5u

URS Number: QC/URS/011/1024

1. Description and Quantity:

Material Description	25cm x 4.6mm, C8, 5u
Item code	QSPHPL222
Quantity/ Box	2

2. User Specifications:

#	Requirement	Specification
1	Brand Name	25cm x 4.6mm,5u, C8 bonded to porous silica
2	Make	WATERS
3	Brand	Symmetry C8
4	Cat. Number	WAT054270
5	Matrix active group	Silica
6	Particle size	5u
7	Length (mm)	250
8	Internal Diameter (I.D.)	4.6 mm
9	Particle type	Base-Deactivated Silica
10	Particle Shape	Spherical
11	External Construction Materials	Stainless Steel
12	Endcapped	Yes
13	USP Classification	L7
14	Separation Mode	Reverse phase
15	P^H Range	2-8
16	Maximum Pressure	6000 psi (410 Bar)
17	Pore Size	100 °A

identify any peak corresponding to impurity A (using solution (3)) and multiply the area of this peak by a correction factor of 0.8;

the area of any peak corresponding to fosinopril impurity A is not greater than 5 times the area of the principal peak in the chromatogram obtained with solution (2) (5.0%);

the area of any other *secondary peak* is not greater than 0.2 times the area of the principal peak in the chromatogram obtained with solution (2) (0.2%);

the sum of the areas of any *secondary peaks* excluding fosinopril impurity A is not greater than the area of principal peak in the chromatogram obtained with solution (2) (1.0%).

Disregard any peak with an area less than the area of the principal peak in the chromatogram obtained with solution (4) (0.1%).

ASSAY

Weigh and powder 20 tablets. Carry out the method for *liquid chromatography*, Appendix III D, using the following solutions in a mixture of 20 volumes of *acetonitrile R1* and 80 volumes of 0.2M *urea* (solvent B).

(1) To a quantity of the powdered tablets containing 50 mg of Fosinopril Sodium add 400 mL of solvent B, mix and add sufficient solvent B to produce 500 mL. Centrifuge an aliquot of the solution and use the supernatant liquid.

(2) 0.01% w/v of *fosinopril sodium BPCRS*.

(3) 0.007% w/v of *fosinoprol sodium BPCRS* and 0.003% w/v of *fosinopril impurity A BPCRS*.

CHROMATOGRAPHIC CONDITIONS

The chromatographic conditions described under Related substances may be used.

SYSTEM SUITABILITY

The test is not valid unless, in the chromatogram obtained with solution (3), the *resolution* between the peaks due to fosinopril and fosinopril impurity A is at least 2.0.

DETERMINATION OF CONTENT

Calculate the content of $C_{30}H_{45}NNaO_7P$ in the tablets using the declared content of $C_{30}H_{45}NNaO_7P$ in *fosinopril sodium BPCRS*.

IMPURITIES

The impurities limited by the requirements of this monograph include impurity A listed under Fosinopril Sodium.

Furosemide Injection

Furosemide Infusion

Action and use
Loop diuretic.

DEFINITION

Furosemide Injection is a sterile solution of furosemide sodium, prepared by the interaction of Furosemide with Sodium Hydroxide, in Water for Injections.

The injection complies with the requirements stated under Parenteral Preparations and with the following requirements.

Content of furosemide, $C_{12}H_{11}ClN_2O_5S$
95.0 to 105.0% of the stated amount.

CHARACTERISTICS

A colourless or almost colourless solution.

IDENTIFICATION

A. To a volume containing the equivalent of 20 mg of Furosemide add sufficient *water* to produce 100 mL. Dilute 5 mL to 100 mL with 0.1M *sodium hydroxide*. The *light absorption*, Appendix II B, in the range 220 to 320 nm exhibits two maxima, at 228 nm and 271 nm.

B. In the Assay, the principal peak in the chromatogram obtained with solution (1) has the same retention time as the principal peak in the chromatogram obtained with solution (2).

TESTS

Alkalinity
pH, 8.0 to 9.3, Appendix V L.

Related substances
Carry out the method for *liquid chromatography*, Appendix III D, using the following solutions prepared in the mobile phase. Prepare the solutions immediately before use and protect from light.

(1) Dilute a volume of the injection to produce a solution containing 0.1% w/v of Furosemide.

(2) Dilute 1 volume of solution (1) to 200 volumes.

(3) 0.00025% w/v of each of *furosemide BPCRS* and *furosemide impurity A EPCRS*.

(4) 0.1% w/v of *furosemide for peak identification EPCRS*.

(5) Dilute 1 volume of solution (2) to 5 volumes.

CHROMATOGRAPHIC CONDITIONS

(a) Use a stainless steel column (25 cm × 4.6 mm) packed with *octylsilyl silica gel for chromatography* (5 µm) (Symmetry C8 is suitable).

(b) Use isocratic elution and the mobile phase described below.

(c) Use a flow rate of 1.0 mL per minute.

(d) Use an ambient column temperature.

(e) Use a detection wavelength of 238 nm.

(f) Inject 100 µL of each solution.

(g) Allow the chromatography to proceed for three times the retention time of furosemide.

MOBILE PHASE

0.286% w/v of *potassium dihydrogen phosphate* and 0.357% w/v of *cetrimide* in *water*, adjusted to pH 7.0 using 6M *ammonia* (solution A).

30 volumes of *propan-1-ol* and 70 volumes of solution A.

When the chromatograms are recorded under the prescribed conditions, the relative retentions with reference to furosemide (retention time about 9 minutes) are: impurity C, about 0.5; impurity A, about 0.8 and impurity D, about 1.5.

SYSTEM SUITABILITY

The test is not valid unless, in the chromatogram obtained with solution (3), the *resolution* between the peaks due to impurity A and furosemide is at least 4.0.

LIMITS

Identify any peak due to impurity C and impurity D using solution (4) and multiply the area of the peak by a correction factor of 1.4 and 2 respectively.

In the chromatogram obtained with solution (1):

the area of any peak corresponding to impurity C is not greater than twice the area of the peak in the chromatogram obtained with solution (2) (1.0%);

the area of any peak corresponding to impurity D is not greater than 1.5 times area of the principal peak in the chromatogram obtained with solution (5) (0.15%);

ram wasim@cabhay.co.in via rediffmailpro.com

Jan 3, 2024, 3:38 PM

gs,

sharmile ma'am, as discussed we are pleased to introduce ourselves as an authorized channel partner for the following various product range.

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1) WATERS HPLC COLUMNS & SUPPLIES
2) Ph METERS
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5) AVANTOR MAKES BACKMAN HPLC COLUMNS.
6) SUMICHIRAL HPLC COLUMN
7) SHODEX HPLC COLUMNS
8) SGE CAPILLARY COLUMNS & SYRINGES
9) VIAL, CAP & SEPTA
10) REAGECON MAKE PH BUFFER SOLUTION, CONDUCTIVITY, ICP & PHARMACOPEIA STDS WITH TRACEABILITY CERTIFICATE
11) AMCOR MAKES PARAFILMS.

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3) OHAUS MAKE LABORATORY BALANCE (21 CFR COMPLIANCE) & HALOGEN MOISTURE BALANCES , PH , CONDUCTIVITY & D.O. METER
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Generally, we keep all running items in stock, If it is not available then we will procure & supply the same within 4 to 5 weeks time.

Apart from the above, we have an e-commerce website -www.labfriend.co.in for all imported laboratory products.

We will be honored to serve you, given an opportunity.

Thank you so much.

Regards'
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Bangalore
8867790820