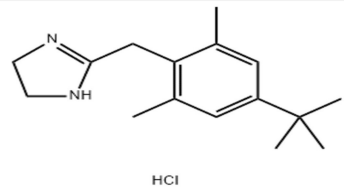


| CERTIFICATE OF ANALYSIS |                                                  |                                                                                               |            |
|-------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------|------------|
| Xylometazoline HCL USP  |                                                  |                                                                                               |            |
| Product Name            | Xylometazoline HCL                               |  <p>HCL</p> |            |
| Molecular Formula       | C <sub>16</sub> H <sub>25</sub> CLN <sub>2</sub> |                                                                                               |            |
| CAS No.                 | 1218-35-5                                        |                                                                                               |            |
| Batch No.               | PEC/LAB/001                                      |                                                                                               |            |
| Batch size              | 100GM                                            | Mfg. Date                                                                                     | 13/04/2026 |
| Analysis Date           | 14/04/2026                                       | Retest Date                                                                                   | 13/04/2030 |

| Sr No | Tests                            | Specification                                                                                                                                                                                                   | Result   |
|-------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1     | Description                      | A white or almost white crystalline powder.                                                                                                                                                                     | Complies |
| 2     | Solubility                       | Freely soluble in ethanol (95%), soluble in water and in chloroform, practically insoluble in ether                                                                                                             | Complies |
| 3     | Identification                   |                                                                                                                                                                                                                 |          |
|       | A) By IR Spectrophotometry       | IR spectrum of sample recorded as Nujol oil should exhibit maxima and minima at the same wavelengths as that of the similar preparation of IR spectra of Xylometazoline Hydrochloride working standard.         | Complies |
|       | B) By UV                         | N.A                                                                                                                                                                                                             | N.A      |
|       | C) By chemical test              | N.A                                                                                                                                                                                                             | N.A      |
|       | D) Test for Chloride             | N.A                                                                                                                                                                                                             | N.A      |
|       | E) By TLC                        | The R <sub>f</sub> value of the principle spot in the chromatogram of the identification preparation should be corresponds to that of standard preparation A as obtained in the test for chromatographic purity | Complies |
| 4     | Related substances By HPLC       |                                                                                                                                                                                                                 |          |
|       | Impurity A                       | Not more than 0.2 %                                                                                                                                                                                             | Complies |
|       | Unspecified impurity             | Not more than 0.1 %                                                                                                                                                                                             | Complies |
|       | Total impurities                 | Not more than 0.5 %                                                                                                                                                                                             | Complies |
| 5     | PH (5.0 % w/v solution in water) | 5.0 to 6.6                                                                                                                                                                                                      | 5.5      |
| 6     | Acidity/Alkalinity               | N.A                                                                                                                                                                                                             | N.A      |

## PERIELECHEM PHARMA PVT.

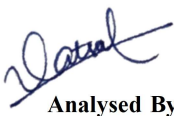
Register Office:F.F Shop No: 04, Greenfileds, 4, Near Waves Club Vasna - Bhayli Main Rd, Vadodara, Gujarat 391410  
 PHONE: +91 97262 02600, +91 9825267454, EMAIL ID: info@pecpharma.in, WEBSITE: www.pecpharma.in

|                                                                                           |                                |                                                   |              |
|-------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------|--------------|
| 7                                                                                         | Appearance of solution         | N.A                                               |              |
| 8                                                                                         | Assay by Potentiometer         | Between 98.0 and 102.0% calculated on dried basis | 99.97        |
| 9                                                                                         | Heavy Metal Iron (ppm)         | N.A                                               | N.A          |
| 10                                                                                        | Sulphates (ppm)                | N.A                                               | N.A          |
| 11                                                                                        | Sulphated ash                  | Not more than 0.1%                                | Complies     |
| 12                                                                                        | Residual on ignition           | NA                                                | NA           |
| 12                                                                                        | Chromatographic purity by TLC. | NA                                                | NA           |
| 14                                                                                        | Residual Solvents (by GC, g/g) |                                                   |              |
|                                                                                           | Methanol                       | Not more than 3000                                | Complies     |
|                                                                                           | Acetone                        | Not more than 3000                                | Complies     |
|                                                                                           | Isopropyl alcohol              | Not more than 3000                                | Complies     |
|                                                                                           | Tert butyl alcohol             | Not more than 3000                                | Complies     |
|                                                                                           | Ethyl acetate                  | Not more than 3000                                | Complies     |
|                                                                                           | Benzene                        | Not more than 2                                   | ND           |
|                                                                                           | Methyl iso butyl ketone        | Not more than 500                                 | ND           |
|                                                                                           | Toluene                        | Not more than 890                                 | Complies     |
|                                                                                           | m-Xylene                       | Not more than 500                                 | Complies     |
| 15                                                                                        | Melting Range                  | 327 °C to 329 °C                                  | About 328 °C |
| Storage condition: Preserve in well-closed air tight containers.                          |                                |                                                   |              |
| Remarks: All above test parameters complies as per IP/BP/EP/USP specifications/monograph. |                                |                                                   |              |

PHARMA

PERIELECHEM PHARMA PVT LTD

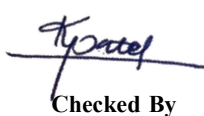
14/04/2026



Analysed By

M.D Patel

14/04/2026



Checked By

Parash Kayda

14/04/2026



Hiral J.

End of the Test Report

**PERIELECHEM PHARMA PVT.**

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