# Certificate of Analysis

| | |
|---|---|
| **Name of Product** | MOPS |
| **Manufacturer** | Proteogenixx, Pearls Business Park, Netaji Subhash Palace, New Delhi 110034, India |
| **Manufacturing Date** | 25-03-2025 |
| **Expiry Date** | 25-03-2030 |

| | | |
|---|---|---|
| **Product Number** | : | **PX-BF-401** |
| **Batch Number** | : | **PBF4012502** |
| **CAS Number** | : | **1132-61-2** |
| **Chemical Name** | : | **3-(N-Morpholino) propanesulfonic acid** |
| **Chemical Formula** | : | **$C_7H_{15}NO_4S$** |
| **Mol. Wt.** | : | **209.26 g/mol** |

**Quality Control Assessment**

| Parameter | Property | QC Result |
|---|---|---|
| **Appearance (Color)** | White | Pass |
| **Appearance (Form)** | Crystals | Pass |
| **Melting Point** | 168°C – 172°C | 170 °C |
| **pH range** | 2.5 – 4.0 | 3.2 |
| **DNases** | None Detected | Pass |
| **RNases** | None Detected | Pass |
| **Protease** | None Detected | Pass |
| **Water (K.F.)** | <= 0.1 % | <= 0.04 % |
| **Titration (NaOH)** | 99.5% | Pass |
| **Metal Trace Analysis (ICP)** | Corresponds to Requirements | |
| Aluminium | ≤ 0.0005 % | ≤ 0.0005 % |
| Barium | ≤ 0.0005 % | ≤ 0.0005 % |
| Bismuth | ≤ 0.0005 % | ≤ 0.0005 % |
| Calcium | ≤ 0.001 % | ≤ 0.001 % |

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| Parameter | Property | QC Result |
|---|---|---|
| Cadmium | ≤ 0.0005 % | ≤ 0.0005 % |
| Cobalt | ≤ 0.0005 % | ≤ 0.0005 % |
| Chromium | ≤ 0.0005 % | ≤ 0.0005 % |
| Copper | ≤ 0.0005 % | ≤ 0.0005 % |
| Iron | ≤ 0.0005 % | ≤ 0.0005 % |
| Potassium | ≤ 0.005 % | ≤ 0.005 % |
| Lithium | ≤ 0.0005 % | ≤ 0.0005 % |
| Magnesium | ≤ 0.0005 % | ≤ 0.0005 % |
| Manganese | ≤ 0.0005 % | ≤ 0.0005 % |
| Molybdenum | ≤ 0.0005 % | ≤ 0.0005 % |
| Sodium | ≤ 0.005 % | ≤ 0.005 % |
| Nickle | ≤ 0.0005 % | ≤ 0.0005 % |
| Lead | ≤ 0.0005 % | ≤ 0.0005 % |
| Zinc | ≤ 0.0005 % | ≤ 0.0005 % |
| UV Absorbance at 260nm | ≤ 0.020 | 0.005 |
| UV Absorbance at 280nm | ≤ 0.015 | 0.007 |

**Storage Recommendations**
Store at Room Temperature.

**Test Conducted by** **Dr. Megha Kaushik** **Testing Date** 10-03-2025

**Authorized Signature**


Dr. Megha Kaushik
Chief Scientific Officer

**Release Date:** 10-03-2025 **Product Name:** MOPS
**Product Code:** PX-BF-401

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Proteogenixx

**Disclaimer**: This certificate certifies that the product meets the outlined specifications. We are committed to ensure that our products meet the highest quality standards, and we stand behind the efficacy and reliability of our offerings. If you have any questions or require further information, please reach out at technical services. Actual results may differ based on experimental techniques and sample types. Users should perform their own validations tailored to their specific use case.

**Release Date:** 10-03-2025 **Product Name:** MOPS

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