

CERTIFICATE OF ANALYSIS

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| PRODUCT: | MOPS, Free Acid 3-(N-morpholino)-propanesulfonic acid C ₇ H ₁₅ NO ₄ S, M.W. 209.3, CAS# [1132-61-2] |
| PRODUCT NUMBER: | M-2721 |
| LOT NUMBER: | H1309 |
| APPEARANCE: | White crystalline power |
| SOLUBILITY: | Pass Test (10% in water) |
| ASSAY (Titration): | 100.22% |
| LOSS ON DRYING(105°C): | 0.37% |
| pH(10% in H₂O): | 4.3 |
| ENDOTOXIN: | <0.5 EU/ml |
| HEAVY METALS: | <5 ppm |
| IRON (Fe): | <5 ppm |
| pKa @ 20°C: | 7.15 |
| UV Absorbance 250nm: (1M Solution in H ₂ O) | <0.1 |
| STORAGE & HANDLING: | Store at Room Temperature (+ 20°C). |

WARNING: IRRITANT!

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: KLS