Updated: 29-Sep-2022

## Certificate of Analysis

## (Representative Sample Certificate)

| Product Name: | Cetrimonium Chloride |
| :--- | :--- |
| INCI Name: | Cetrimonium chloride, water |
| CAS Number: | 112-02-7, 7732-18-5 |
| Lot Number: | Not available (data may vary slightly with different lots or batches) |
| Expiration Date: | 24 months from production date |


| Analytical Tests | Specification | Analysis |
| :--- | :--- | :--- |
| Appearance @ $25^{\circ} \mathrm{C}$ | Colorless to light yellow liquid | Pass |
| Odor | Mild | Pass |
| Active, \% | $28.0 \%$ MIN | 28.96 |
| pH Value (5\% Aqueous Solution) | $3.5-6.0$ | 4.72 |
| Free Amine + Free Amine HCL, \% | $1.0 \%$ MAX | 0.21 |

The above data were obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.
All data are as per our supplier.

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