

## Certificate of Analysis

Date of Testing: 2025-01-20 17:44:41

Date of Next Testing: 2029-01-19 17:44:41

Product Name: **Dodecyltrimethylammonium chloride (DTAC)**

CAS Number: 112-00-5

Specifications & Purity:  $\geq 99\%$

Lot #: A2515451

SKU #: **D105295**

Version: **1**

Analysis #: **456609**

Storage Temperature: Argon charged

| Parameter                                                             | Limit Values                                       | Result                                             |
|-----------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| PH(5% in water)                                                       | 4-7.5                                              | 5.22                                               |
| Free amine (As DDA)                                                   | 0-0.3 (%)                                          | 0.00 %                                             |
| Water by Karl Fischer                                                 | 0-3 (%)                                            | 0.10 %                                             |
| Purity (Argentmetric Titration)                                       | 98.5-101.5 (%)                                     | 101.48 %                                           |
| Appearance (D105295)                                                  | White to Light Yellow Powder or Solid<br>or chunks | White to Light Yellow Powder or Solid<br>or chunks |
| Proton NMR spectrum                                                   | Conforms to Structure                              | Conforms to Structure                              |
| Solubility in H <sub>2</sub> O , Colorless solution<br>0.5G/10MLwater | pass                                               | Pass                                               |



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