

## CERTIFICATE OF ANALYSIS

Product : TETRADECYLCETYLTRIMETHYLAMMONIUM BROMIDE

Product number : C1397
Batch number : 013667
Date of production : xx-07-2017
Date of expiry : 31-07-2022

Packaging and storage : store at room temperature in a well closed container

| Appearance<br>Solubility | SPECIFICATION white to almost white powder free soluble in water and alcohol | RESULT complies | UNITS | REMARKS<br>voluminous |
|--------------------------|------------------------------------------------------------------------------|-----------------|-------|-----------------------|
| Identification           | conform                                                                      | complies        |       |                       |
| Appearance of solution   | clear and colourless                                                         | complies        |       | 2% in water           |
| Acidity/alkalinity       | conform                                                                      | complies        |       |                       |
| Amines and amine salts   | conform                                                                      | complies        |       |                       |
| Loss on drying           | ≤ 2.0                                                                        | 0.0             | %     | 2u, 105 °C            |
| Sulphated ash            | ≤ 0.5                                                                        | 0.0             | %     |                       |
| Assay                    | 96.0 - 101.0                                                                 | 97.6            | %     | dried substance       |

This certificate of analysis is conform the results of the supplier.

Conclusion: approved

Released by: drs. M. van Wissen, pharmacist

Department of Quality Control Duchefa B.V.

V. Kong Tse Lam

Date: 05-04-2018

The buyer is responsible to test each batch to ensure the product is suitable for their specific purpose.

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