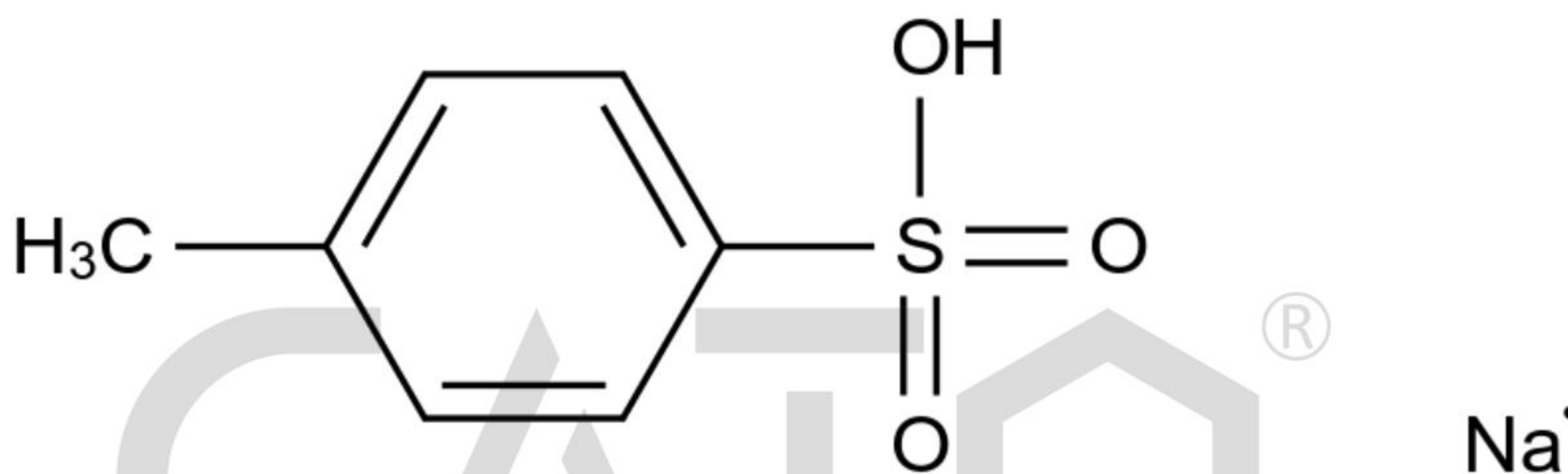


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                   |                   |                                                                                     |
|--------------------|---------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|
| Product Name:      | Sodium 4-methylbenzenesulfonate                   | Catalogue Number: | C1115321                                                                            |
| Synonyms:          | N/A                                               | Lot Number:       | 0520-RF-0122                                                                        |
| CAS Number:        | 12068-03-0                                        | Expiry Date:      | May 23, 2027                                                                        |
| Molecular Formula: | C <sub>7</sub> H <sub>8</sub> O <sub>3</sub> S Na | Storage:          | 2°C ~ 8°C Protected from light and Sealed                                           |
| Molecular Weight:  | 172.20 22.99                                      | Warning:          |  |

Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 98.016%     |
| Loss On Drying | TGA               | 4.5253%     |
| Assay          |                   | 93.6%       |

## Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$Assay (\%) = (100\% - Loss\ On\ Drying) * Purity\ HPLC (\%) / 100\%$

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

*Nice*

Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: May 24, 2024

Date: May 24, 2024

Date: May 24, 2024

