
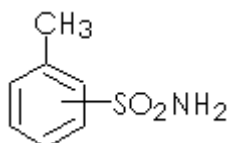


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|---|-------------------------------|----------|------------|
|  | STANDARD SPECIFICATION | Code No. | JMC-Q-0234 |
| | | Rev.No. | 6-050720 |
| | OPTSA (30/70) | Pages | 1/1 |



C₇H₉NO₂S / M.W. 171.22

IDENTIFICATION OF PRODUCT

- Chemical Name o-(or p)-toluenesulphonamide
- Trade/ Synonym o, p-Toluenesulfonamide
- Identification No. CAS: 8013-74-9, 1333-07-9 EINECS: 232-394-7, 215-578-1 GHS: 2935.00.9090

STANDARD

| Subject | Specification | Analytical Method |
|---|--------------------------|-------------------|
| Descriptions | White crystalline powder | JMC-L-0234 |
| Assay(as total toluene sulfonamides) | 99.0 % up | |
| Crystallization point | 112~121 °C | |
| Water content | Max. 1.0 % | |
| Color of 33 $\frac{1}{3}$ % solution in acetone | Max. 30 Pt/Co | |
| Turbidity of 33 $\frac{1}{3}$ % solution in acetone | Max. 10 FTU | |
| OTSA content | 30 ± 5 % | |
| Chloride | Max. 0.04 % | |
| Sulfate | Max. 0.04 % | |
| Ash residue | Max. 0.05 % | |
| Heavy metals | Max. 0.001 % | |

STORAGE & HANDLING CONDITION


- Avoid contact with skin and eyes.
- Wear suitable protective clothing, gloves and eye/face protection.
- Keep container tightly closed in room place.
- Keep away from heat, direct sunlight and water.

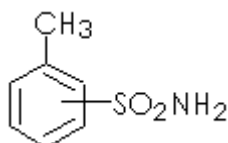
PACKAGING

- 25kg Polypropylene woven bag.

SHELF LIFE

- The shelf life of this material is two years when stored under the conditions specified above.

| | | | |
|---|-------------------------------|----------|------------|
|  | STANDARD SPECIFICATION | Code No. | JMC-Q-0236 |
| | | Rev.No. | 6-050720 |
| | OPTSA (40/60) | | Pages |



C₇H₉NO₂S / M.W. 171.22

IDENTIFICATION OF PRODUCT

- Chemical Name o-(or p)-toluenesulphonamide
- Trade/ Synonym o, p-Toluenesulfonamide
- Identification No. CAS: 8013-74-9, 1333-07-9 EINECS: 232-394-7, 215-578-1 GHS: 2935.00.9090

STANDARD

| Subject | Specification | Analytical Method |
|---|--------------------------|-------------------|
| Descriptions | White crystalline powder | JMC-L-0234 |
| Assay(as total toluene sulfonamide) | 99.0 % up | |
| Crystallization point | 105~112 °C | |
| Water content | Max. 1.0 % | |
| Color of 33 $\frac{1}{3}$ % solution in acetone | Max. 30 Pt/Co | |
| Turbidity of 33 $\frac{1}{3}$ % solution in acetone | Max. 10 FTU | |
| OTSA content | 40 ± 5 % | |
| PTSA content | 60 ± 5 % | |
| Chloride | Max. 0.04 % | |
| Sulfate | Max. 0.04 % | |
| Ash residue | Max. 0.05 % | |
| Heavy metals | Max. 0.001 % | |

STORAGE & HANDLING CONDITION

- Avoid contact with skin and eyes.
- Wear suitable protective clothing, gloves and eye/face protection.
- Keep container tightly closed in room place.
- Keep away from heat, direct sunlight and water.

PACKAGING

- 25kg Polypropylene woven bag.

SHELF LIFE

- The shelf life of this material is two years when stored under the conditions specified above.