



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-479408
Lot Number: SAMPLE
Product Name: Acetaminophen Mercapurate Disodium Salt
CAS Number: 60603-13-6 (free acid)
Molecular Formula: $C_{13}H_{14}N_2Na_2O_5S$
Molecular Weight: 356.31
Native Source: Synthetic

| Test | Specification | Result |
|------------------------------------|---------------|---------------------------------------|
| Appearance | | Light brown solid |
| Identification (1H -NMR) | | Consistent with structure |
| Identification (Mass Spectrometry) | | Consistent with structure |
| Purity (TLC) | | 95% |
| Atmosphere | | Inert gas |
| Melting Point | | >195°C (subl.) |
| Solubility | | Methanol (Slightly), Water (Slightly) |
| Carbon Content | 43.82% | 40.11% |
| Hydrogen Content | 3.96% | 4.23% |
| Nitrogen Content | 7.86% | 7.29% |
| Sodium | | 11.52% by Ion Chromatography |
| Water Content | | 5.6% based on Elemental Analysis |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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