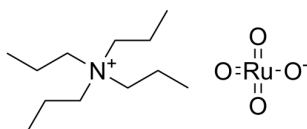


Certificate of Analysis

Compound Information

| | |
|----------------------------|--|
| Product Name: | Tetrapropylammonium perruthenate |
| Cat. No.: | 1017430 |
| CAS No.: | 114615-82-6 |
| Molecular Formula: | C ₁₂ H ₂₈ NO ₄ Ru |
| Molecular Weight: | 351.43 |
| Chemical Structure: | |



Batch Information

| | |
|---------------------|--|
| Batch No.: | L325124 |
| Storage: | 2-8°C, protect from light, stored under nitrogen |
| Test Date: | 2023-08-24 |
| Retest Date: | 2026-08-23 |
| Origin: | Shanghai, China |

QC Summary

| | Specification | Result |
|--------------------------------|------------------------|----------------|
| Appearance: | Brown to black (Solid) | Black (powder) |
| Purity, ω/%: | ≥98 | qualified |
| Metal Content(Ru), ω/%: | ≥28 | 29.55 |
| Platinum(Pt), ω/%: | ≤0.002 | <0.001 |
| Palladium(Pd), ω/%: | ≤0.002 | <0.001 |
| Iridium(Ir), ω/%: | ≤0.002 | <0.001 |
| Gold(Au), ω/%: | ≤0.002 | <0.001 |
| Silver(Ag), ω/%: | ≤0.002 | <0.001 |
| Aluminium(Al), ω/%: | ≤0.012 | <0.001 |
| Copper(Cu), ω/%: | ≤0.006 | <0.001 |
| Iron(Fe), ω/%: | ≤0.012 | <0.001 |
| Magnesium(Mg), ω/%: | ≤0.006 | <0.001 |
| Manganese(Mn), ω/%: | ≤0.012 | <0.001 |
| Sodium(Na), ω/%: | ≤0.012 | 0.006 |
| Lead(Pb), ω/%: | ≤0.006 | <0.001 |

Calcium(Ca), ω /%:

≤ 0.012

< 0.001

Conclusion:

The product has been tested and complies with the given specifications.

Caution: Research use only and are not intended for human use.

Tel: 400-821-0725

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