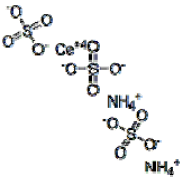




HANGZHOU DINGYAN CHEM CO., LTD  
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Email:sales@dingyanchem.com

## CERTIFICATE OF ANALYSIS

NO: DYC081410152

|                    |  |
|--------------------|--|
| Product name       | AMMONIUM CERIUM SULPHATE 2 HYDRATE   |
| CAS Number         | 7637-03-8  |
| Molecule Formula   | 2(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> . Ce(SO <sub>4</sub> ) <sub>2</sub> • 4H <sub>2</sub> O |
| Molecule Structure |                         |
| Batch number       | 20130801   |
| Testing date       | 2013-08-01   |
| specification      | AR Grade   |

| Items                                | Standard                            | Result |
|--------------------------------------|-------------------------------------|--------|
| Appearance                           | Yellow to orange yellow crystalline | Comply |
| Assay                                | 98%min                              | 98.35% |
| sulfate insoluble matter             | 0.05max                             | 0.03   |
| Cl                                   | 0.01max                             | 0.01   |
| Al <sub>2</sub> O <sub>3</sub>       | 0.08max                             | 0.05   |
| Fe                                   | 0.005max                            | 0.0025 |
| Heavy metal(Pb)                      | 0.005max                            | 0.001  |
| Other cerium salt(CeO <sub>2</sub> ) | 0.2max                              | 0.15   |
| Other rare earth metal               | 0.2max                              | 0.2    |
| Akali earth metal                    | 0.2max                              | 0.2    |

Hangzhou Dingyan Chem Co., Ltd.  
Quality Control  
QUALITY CONTROL: *Pals* CHECK: 姚仙娟 INSPECTOR: 刘清风