



## Certificate of analysis

### Reference #: 2020011-003/591

Manufacturing date: **Feb/21/2020**

Analysis date: **Feb/27/2020**

|              |   |                   |   |        |                                      |
|--------------|---|-------------------|---|--------|--------------------------------------|
| Product name | <b>Tris(isopropylcyclopentadienyl)neodymium(III), 98+% (99.9% - Nd) (REO)</b> |                   |   |        |                                      |
| Ereztech #   | <b>ND1858</b>   | CAS#              | <b>69021-85-8</b>                                   | Purity | <b>99.1% (by elemental analysis)</b> |
| Lot/batch #  | <b>003/591</b>  | Net weight/volume | <b>50g</b>  | Seal # | <b>N/A</b>                           |
| Packaging    | <b>1 glass ampule</b>   | Storage           | <b>Air, moisture sensitive. Shelf life 3 years.</b> |        |                                      |
| CofO         | <b>Russia</b>   |                   |   |        |                                      |

|                      |  |                |           |                |
|----------------------|--|----------------|-----------|----------------|
| Analytical results   |  |                |           |                |
| Appearance           | <b>Green-purple xtls</b>               |                |           |                |
| Purity               | <b>99.1%</b>                           |                |           |                |
| Titration            | <b>% Nd = 30.65 % (complexometric)</b> |                |           |                |
| Elemental analysis   | <b>% C = 61.34; % H = 7.09 %</b>       |                |           |                |
| Impurity weight, ppm | <b>La2O3</b>                           | <b>500</b>     | <b>Fe</b> | <b>&lt;50</b>  |
|                      | <b>Ce2O3</b>                           | <b>&lt;500</b> | <b>Ca</b> | <b>&lt;200</b> |
|                      | <b>Sm2O3</b>                           | <b>&lt;100</b> | <b>Cu</b> | <b>&lt;50</b>  |