

# Certificate of Analysis

**PRODUCT :** AMMONIUM FORMATE RS LC-MS

**CODE :** 419741

**LOT N° :** V0E020181C

**RE-TEST DATE :** 2023/03

| TEST                           | U.M. | SPECIFICATION        | RESULT  |
|--------------------------------|------|----------------------|---------|
| Assay                          | %    | $\geq 98$            | 99.7    |
| Impurities                     | ppm  | $\leq 50$            | <50     |
| Water                          | %    | $\leq 0.5$           | <0.5    |
| pH                             | -    | $5.5 \div 7.6$       | 6.6     |
| Melting point                  | °C   | $119 \div 121$       | 120     |
| Chloride                       | ppm  | $\leq 5$             | <5      |
| Sulfate                        | ppm  | $\leq 10$            | <10     |
| Al                             | ppm  | $\leq 1$             | <1      |
| As                             | ppm  | $\leq 0.1$           | <0.1    |
| Ba                             | ppm  | $\leq 1$             | <1      |
| Bi                             | ppm  | $\leq 1$             | <1      |
| Ca                             | ppm  | $\leq 5$             | <5      |
| Cd                             | ppm  | $\leq 1$             | <1      |
| Co                             | ppm  | $\leq 1$             | <1      |
| Cr                             | ppm  | $\leq 1$             | <1      |
| Cu                             | ppm  | $\leq 1$             | <1      |
| Fe                             | ppm  | $\leq 3$             | <3      |
| K                              | ppm  | $\leq 5$             | <5      |
| Li                             | ppm  | $\leq 1$             | <1      |
| Mg                             | ppm  | $\leq 1$             | <1      |
| Mn                             | ppm  | $\leq 1$             | <1      |
| Mo                             | ppm  | $\leq 1$             | <1      |
| Na                             | ppm  | $\leq 5$             | <5      |
| Ni                             | ppm  | $\leq 1$             | <1      |
| Pb                             | ppm  | $\leq 1$             | <1      |
| Sr                             | ppm  | $\leq 1$             | <1      |
| Zn                             | ppm  | $\leq 1$             | <1      |
| Grad. Elution H.Peak at 254 nm | AU   | $\leq 0.001$         | <0.001  |
| Grad. Elution drift at 254 nm  | AU   | $\leq 0.005$         | <0.005  |
| T260nm (1M)                    | %    | $\geq 97$            | >97     |
| T280nm (1M)                    | %    | $\geq 98$            | >98     |
| Preparation                    | -    | Filtered through 0.1 | Conform |

It is under the customer responsibility to make sure the purchased product is suitable for his use and/or application.  
 CARLO ERBA Reagents would not be guilty of any misuse or mishandling of any of its products, occurring potential damages or user hurts in case of inappropriate use.

Approve Date : 23/03/2021

Approved electronically, valid without a signature

**QUALITY CONTROL RESPONSIBLE**

**B. COULANGE (VDR)**