

# Certificate of Analysis

**PRODUCT** : AMMONIUM ACETATE RS LC-MS  
**CODE** : 418781  
**LOT N°** : V7M538228A :  
**EXPIRING DATE** : 2020/01 **EDITION** 1

| TEST                              | U.M. | SPECIFICATION        | RESULT |
|-----------------------------------|------|----------------------|--------|
| Assay                             | %    | >= 98                | 98.6   |
| Impurities                        | ppm  | <= 50                | <50    |
| Water                             | %    | <= 2                 | <2     |
| Residue on ignition               | ppm  | <= 100               | <100   |
| pH                                | -    | 6.5 ÷ 7.4            | 7.1    |
| Melting point                     | °C   | 110 ÷ 112            | 111    |
| Chloride                          | ppm  | <= 5                 | <5     |
| Nitrate                           | ppm  | <= 10                | <10    |
| Sulfate                           | ppm  | <= 10                | <10    |
| Al                                | ppm  | <= 1                 | <1     |
| As                                | ppm  | <= 0.1               | <0.1   |
| Ba                                | ppm  | <= 1                 | <1     |
| Bi                                | ppm  | <= 1                 | <1     |
| Ca                                | ppm  | <= 5                 | <5     |
| Cd                                | ppm  | <= 1                 | <1     |
| Co                                | ppm  | <= 1                 | <1     |
| Cr                                | ppm  | <= 1                 | <1     |
| Cu                                | ppm  | <= 1                 | <1     |
| Fe                                | ppm  | <= 2                 | <2     |
| K                                 | ppm  | <= 5                 | <5     |
| Li                                | ppm  | <= 1                 | <1     |
| Mg                                | ppm  | <= 1                 | <1     |
| Mn                                | ppm  | <= 1                 | <1     |
| Mo                                | ppm  | <= 1                 | <1     |
| Na                                | ppm  | <= 5                 | <5     |
| Ni                                | ppm  | <= 1                 | <1     |
| Pb                                | ppm  | <= 1                 | <1     |
| Sr                                | ppm  | <= 1                 | <1     |
| Zn                                | ppm  | <= 1                 | <1     |
| Grad. Elution H.P. Peak at 254 nm | AU   | < 0.001              | <0.001 |
| Grad. Elution drift at 254 nm     | AU   | < 0.005              | <0.005 |
| T260nm (1M)                       | %    | >= 98                | 98     |
| T280nm (1M)                       | %    | >= 99                | 99     |
| Preparation                       | -    | Filtered through 0.1 |        |