



## Minerals - Product references

| Product                                   | CAS N°         | Grade              | Application   | USP | DSP | FF | Packaging size available |
|---|----------------|--------------------|---|-----|-----|----|--------------------------|
| Ammonium Sulfate                          | 7783-20-2      | Pharma, injectable | DSP & FF: Ionic strength adjustment and protein precipitation           |     | ✓   | ✓  | To be defined            |
| Ammonium acetate                          | 631-61-8       |                    | DSP & FF: buffer  |     | ✓   | ✓  | To be defined            |
| Ammonium chloride                         | 12125-02-9     | Pharma             | USP: protein precipitation & celle culture buffer                       | ✓   |     |    | To be defined            |
| Calcium acetate                           | 62-54-4        | Pharma, injectable | USP:buffering agent   | ✓   |     |    | To be defined            |
| Calcium carbonate                         | 471-34-1       | Pharma             | USP: buffering agent or pH adjustment                                   | ✓   |     |    | To be defined            |
| Calcium hydroxide                         | 1305-62-0      | Pharma             | USP: pH adjustment  | ✓   |     |    | To be defined            |
| Calcium Lactate Anhydrous                 | 814-80-2       | Pharma             | USP: calcium source in cell culture media                               | ✓   |     |    | To be defined            |
| Calcium Phosphate Dibasic Anhydrous       | 7757-93-9      | Pharma             | USP: calcium source in cell culture media                               | ✓   |     |    | To be defined            |
| Calcium Phosphate tribasic                | 7758-87-4      | Pharma             | USP: calcium source in cell culture media                               | ✓   |     |    | To be defined            |
| Calcium sulfate dihydrate                 | 10035-04-8     | Pharma             | USP: calcium source in cell culture media                               | ✓   |     |    | To be defined            |
| Zinc Sulfate Heptahydrate                 | 7446-20-0      | Pharma             | USP: enzymatic co-factor and cell growth support                        | ✓   |     |    | To be defined            |
| Cupric Sulfate Pentahydrate               | 7758-99-8      | Pharma             | USP: enzymatic co-factor and cell growth support                        | ✓   |     |    | To be defined            |
| Disodium phosphate anhydrous              | 7558-79-4      | Pharma             | USP: cell culture buffer  | ✓   |     |    | To be defined            |
| Disodium phosphate 12 hydrate             | 231-448-7      | Pharma, injectable | DSP & FF: buffer for purification and formulation                       |     | ✓   | ✓  | To be defined            |
| Disodium L-tyrosinate 2-hydrate           | 274-152-3      | Pharma             | USP: nutrient in cell culture media                                     | ✓   |     |    | To be defined            |
| Ferric Ammonium Citrate                   | 214-686-6      | Pharma, FCC        | USP: iron transporter (chelator) and enzymatic co-factor                | ✓   |     |    | To be defined            |
| Ferric choline citrate                    | 1336-80-7      | Pharma             | USP: iron transporter (chelator) and enzymatic co-factor                | ✓   |     |    | To be defined            |
| Ferric Citrate                            | 3522-50-7      | Pharma, purified   | USP: iron transporter (chelator) and enzymatic co-factor                | ✓   |     |    | To be defined            |
| Ferric sulfate 7-hydrate                  | 7782-63-0      | Pharma             | USP: enzymatic co-factor  | ✓   |     |    | To be defined            |
| Magnesium Ascorbate                       | Not specific   | Purified           | USP: source of magnesium and ascorbic acid in cell culture media        | ✓   |     |    | To be defined            |
| Magnesium chloride hexahydrate            | 7791-18-6      | Pharma, injectable | USP: source of magnesium in cell culture media                          | ✓   |     |    | To be defined            |
| Magnesium oxide                           | 1309-48-4      | Pharma             | USP: source of magnesium in cell culture media                          | ✓   |     |    | To be defined            |
| Magnesium phosphate                       | Not specific   | Pharma             | USP: source of magnesium and phosphate in cell culture media            | ✓   |     |    | To be defined            |
| MAGNESIUM SULFATE ANHYDROUS               | 7487-88-9      | Pharma             | USP: source of magnesium in cell culture media                          | ✓   |     |    | To be defined            |
| MAGNESIUM SULFATE DRIED                   | 22189-08-8     | Pharma, injectable | USP: cellular and enzymatic regulation                                  | ✓   |     |    | To be defined            |
| Magnesium Sulfate Heptahydrate            | 10034-99-8     | Pharma             | USP: source of magnesium and sulfate ions in cell culture medi          | ✓   |     |    | To be defined            |
| Manganese Sulfate Monohydrate             | 10034-96-5     | Pharma             | USP: source of manganese ions in cell culture media                     | ✓   |     |    | To be defined            |
| Potassium acetate anhydrous               | 127-08-2       | Pharma, injectable | DSP & FF: buffer  |     | ✓   | ✓  | To be defined            |
| Potassium Chloride                        | 7447-40-7      | Pharma             | USP: osmotic balance support  | ✓   |     |    | To be defined            |
| POTASSIUM PHOSPHATE DIBASIC               | 7758 - 11 -- 4 | Pharma, injectable | USP: source of potassium and phosphate ions in cell culture media       | ✓   |     |    | To be defined            |
| POTASSIUM PHOSPHATE MONOBASIC NF CRYSTALS | 7778-77-0      | Pharma, injectable | USP: source of potassium and phosphate ions in cell culture media       | ✓   |     |    | To be defined            |
| POTASSIUM SULFATE FCC PWD                 | 7778-80-5      | Pharma, injectable | USP: source of potassium and sulfate ions in cell culture media         | ✓   |     |    | To be defined            |
| Sodium Acetate anhydrous                  | 204-823-8      | Pharma             | DSP & FF: buffer for purification and formulation                       |     | ✓   | ✓  | To be defined            |
| Sodium Acetate Trihydrate                 | 6131-90-4      | Pharma, injectable | DSP & FF: buffer for purification and formulation                       |     | ✓   | ✓  | To be defined            |
| Sodium bicarbonate                        | 144-55-8       | Pharma, injectable | USP: buffering agent and pH regulator in cell culture media             | ✓   |     |    | To be defined            |
| Sodium b-glycerophosphate 5-hydrate       | 819-83-0       | Pharma             | USP: osmotic balance support and cell culture buffer                    | ✓   |     |    | To be defined            |
| Sodium diacetate                          | 126-96-5       | Pharma, injectable | USP: preservative and pH regulator in cell culture media during         | ✓   |     |    | To be defined            |
| SODIUM CAPRYLATE NF/EP POWDER             | 137-40-6       | Pharma, injectable | USP: antimicrobial agent in cell culture media                          | ✓   |     |    | To be defined            |
| Sodium Carbonate Anhydrous                | 497-19-8       | Pharma, injectable | USP: buffering agent and pH regulator in cell culture media             | ✓   |     |    | To be defined            |
| Sodium Carbonate Monohydrate              | 5968- 11 -- 6  | Pharma             | USP: buffering agent and pH regulator in cell culture media             | ✓   |     |    | To be defined            |
| Sodium chloride                           | 7647-14-5      | Pharma, injectable | DSP & FF: Ionic strength adjustment and protein precipitation           |     | ✓   | ✓  | To be defined            |
| Sodium Phosphate Dibasic Anhydrous        | 7558-79-4      | Pharma, injectable | USP:buffering agent and pH regulator in cell culture media              | ✓   |     |    | To be defined            |
| Sodium Phosphate Dibasic Dihydrate        | 10028-24-7     | Pharma, injectable | USP:buffering agent and pH regulator in cell culture media              | ✓   |     |    | To be defined            |
| Sodium Phosphate Dibasic Heptahydrate     | 7782-85-6      | Pharma, injectable | USP:buffering agent and pH regulator in cell culture media              | ✓   |     |    | To be defined            |
| Sodium Phosphate Monobasic Anhydrous      | 7558-80-7      | Pharma             | USP:buffering agent and pH regulator in cell culture media              | ✓   |     |    | To be defined            |
| Sodium Phosphate Monobasic Monohydrate    | 10049-21-5     | Pharma, injectable | USP:buffering agent and pH regulator in cell culture media              | ✓   |     |    | To be defined            |
| Sodium Phosphate Tribasic Dodecahydrate   | 10101-89-0     | ACS                | USP:buffering agent and pH regulator in cell culture media              | ✓   |     |    | To be defined            |
| Sodium Succinate Anhydrous                | Not specific   | Purified           | USP:buffering agent and pH regulator in cell culture media              | ✓   |     |    | To be defined            |
| Sodium Sulfate Anhydrous                  | 7757-82-6      | Pharma, injectable | DSP & FF: Ionic strength adjustment and protein precipitation           |     | ✓   | ✓  | To be defined            |
| Trisodium citrate 2 hydrate               | 6132 - 04 -- 3 | Pharma, injectable | DSP & FF: buffer for purification and formulation                       |     | ✓   | ✓  | To be defined            |
| Urea                                      | 57-13-6        | Pharma, injectable | USP: nitrogen source in cell culture media                              | ✓   |     |    | To be defined            |
| Zinc Acetate Dihydrate                    | 5970-45-6      | Pharma             | USP: source of zinc ions in cell culture media                          | ✓   |     |    | To be defined            |
| Zinc Ascorbate Monohydrate                | Not specific   | Purified           | USP: source of zinc and ascorbic acid (vitamin C) in cell culture media | ✓   |     |    | To be defined            |
| Zinc Oxide                                | 1314-13-2      | Pharma             | USP: source of zinc ions in cell culture media                          | ✓   |     |    | To be defined            |

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