

Out of Stock - Product is not available at this time - Wheat Flour

| | |
|-----------------|-----------------------------------|
| Art. ID | NIST-1567b |
| Unit | 50 g |
| Deliverydetails | No Dangerous Good /not restricted |

Description

This Standard Reference Material (SRM®) is intended primarily for validation of methods for determining elements in wheat flour and similar materials. This SRM can also be used for quality assurance when assigning values to in-house reference materials. A unit of NIST-1567b consists of a single bottle containing approximately 50 g of material sealed inside an aluminized pouch. /// Sample value(s) - please ask for current certificate.

| Text/Information | Analyte/Parameter | CAS number | Concentration/Value | Unit | Method | Source |
|---|-------------------|-------------|---------------------|-------|---|--------|
| Certified value, Coverage Factor (k): 2 | Cadmium (Cd) | [7440-43-9] | 0,0254 ± 0,0009 | mg/kg | NIST Method: GFAAS, RNAA | |
| Certified value, Coverage Factor (k): 2 | Calcium (Ca) | [7440-70-2] | 191,4 ± 3,3 | mg/kg | NIST Method: FAAS, FES, WDXRF | |
| Certified value, Coverage Factor (k): 2 | Chlorine (Cl) | [7782-50-5] | 565,3 ± 8,6 | mg/kg | NIST Method: INAA, WDXRF | |
| Certified value, Coverage Factor (k): 2 | Copper (Cu) | [7440-50-8] | 2,03 ± 0,14 | mg/kg | NIST Method: FAAS, ICP-MS, INAA, RNAA | |
| Certified value, Coverage Factor (k): 2 | Iron (Fe) | [7439-89-6] | 14,11 ± 0,33 | mg/kg | NIST Method: FAAS, INAA, TIMS, WDXRF | |
| Certified value, Coverage Factor (k): 2,2 | Lead (Pb) | [7439-92-1] | 0,0104 ± 0,0024 | mg/kg | NIST Method: ID-ICP-MS | |
| Certified value, Coverage Factor (k): 2 | Magnesium (Mg) | [7439-95-4] | 398 ± 12 | mg/kg | NIST Method: DCP-AES, FAAS, INAA, WDXRF | |
| Certified value, Coverage Factor (k): 2 | Manganese (Mn) | [7439-96-5] | 9,00 ± 0,78 | mg/kg | NIST Method: INAA, WDXRF | |

| | | | | | |
|---|-----------------|-------------|---------------|-------|---|
| Certified value, Coverage Factor (k): 2 | Molybdenum (Mo) | [7439-98-7] | 0,464 ± 0,034 | mg/kg | NIST Method: ICP-MS, ICP-OES, ID-ICP-MS, INAA |
| Certified value, Coverage Factor (k): 2 | Phosphorus (P) | [7723-14-0] | 1333 ± 36 | mg/kg | NIST Method: DCP-AES, ICP-OES, SPECTRO, WDXRF |
| Certified value, Coverage Factor (k): 2 | Potassium (K) | [7440-09-7] | 1325 ± 20 | mg/kg | NIST Method: INAA, WDXRF |
| Certified value, Coverage Factor (k): 2 | Rubidium (Rb) | [7440-17-7] | 0,671 ± 0,012 | mg/kg | NIST Method: ICP-MS, WDXRF |
| Certified value, Coverage Factor (k): 2 | Selenium (Se) | [7782-49-2] | 1,14 ± 0,10 | mg/kg | NIST Method: HydAAS, ICP-MS, INAA |
| Certified value, Coverage Factor (k): 2 | Sodium (Na) | [7440-23-5] | 6,71 ± 0,21 | mg/kg | NIST Method: ICP-OES, INAA, SF-ICP-MS |
| Certified value, Coverage Factor (k): 2 | Sulfur | [7704-34-9] | 1645 ± 25 | mg/kg | NIST Method: TIMS, WDXRF |
| Certified value, Coverage Factor (k): 2 | Zinc (Zn) | [7440-66-6] | 11,61 ± 0,26 | mg/kg | NIST Method: FAAS, INAA, WDXRF |