

## **Baby Food Composite -Water-Soluble Vitamins, Elements**

|                 |                                   |
|-----------------|-----------------------------------|
| Art. ID         | NIST-2383a                        |
| Unit            | 4 x 70 g                          |
| Deliverydetails | No Dangerous Good /not restricted |

### Description

This Standard Reference Material (SRM®) is intended primarily for use in validating methods for determining proximates, calories, vitamins, and elements in food matrices. This SRM® can also be used for quality assurance when assigning values to in-house control materials. The baby food composite is a mixture of fruits, vegetables, macaroni, rice flour, and milk powder. A unit of NIST-2383a consists of four jars, each containing approximately 70 g of material. Reference values for selected water-soluble vitamins, elements and for proximates, sugars, total dietary fiber, and calories. Certified values /// Sample value(s) - please ask for current certificate.

| Text/Information | Analyte/Parameter                             | CAS number  | Concentration/Value | Unit  | Method | Source |
|------------------|---|-------------|---------------------|-------|--------|--------|
|                  | Free Thiamine Chloride Hydrochloride          |             | 0,976 ± 0,014       | mg/kg |        |        |
|                  | (-)-Riboflavin (Vitamin B2)                   | [83-88-5]   | 0,56 ± 0,15         | mg/kg |        |        |
|                  | Niacin  | [59-67-6]   | 1,79 ± 0,04         | mg/kg |        |        |
|                  | Niacinamide                                   | [98-92-0]   | 3,59 ± 0,06         | mg/kg |        |        |
|                  | Free Vitamin B3 (as Niacinamide)              | [98-92-0]   | 5,36 ± 0,10         | mg/kg |        |        |
|                  | Pantothenic acid                              |             | 1,64 ± 0,02         | mg/kg |        |        |
|                  | Pyridoxine (Vitamin B6) hydrochloride         | [58-56-0]   | 0,063 ± 0,002       | mg/kg |        |        |
|                  | Pyridoxamine dihydrochloride                  | [524-36-7]  | 0,228 ± 0,003       | mg/kg |        |        |
|                  | Free Vitamin B6 (as Pyridoxine Hydrochloride) | [58-56-0]   | 0,330 ± 0,004       | mg/kg |        |        |
|                  | Barium (Ba)                                   | [7440-39-3] | 0,278 ± 0,020       | mg/kg |        |        |
|                  | Calcium (Ca)                                  | [7440-70-2] | 342,6 ± 5,0         | mg/kg |        |        |
|                  | Cobalt (Co)                                   | [7440-48-4] | 0,048 ± 0,005       | mg/kg |        |        |
|                  | Copper (Cu)                                   | [7440-50-8] | 0,758 ± 0,082       | mg/kg |        |        |
|                  | Iron (Fe)                                     | [7439-89-6] | 4,42 ± 0,51         | mg/kg |        |        |
|                  | Magnesium (Mg)                                | [7439-95-4] | 212,2 ± 4,0         | mg/kg |        |        |
|                  | Manganese (Mn)                                | [7439-96-5] | 0,963 ± 0,064       | mg/kg |        |        |
|                  | Phosphorus (P)                                | [7723-14-0] | 453 ± 11            | mg/kg |        |        |
|                  | Potassium (K)                                 | [7440-09-7] | 2910 ± 220          | mg/kg |        |        |
|                  | Sodium (Na)                                   | [7440-23-5] | 195 ± 29            | mg/kg |        |        |
|                  | Strontium (Sr)                                | [7440-24-6] | 4,445 ± 0,047       | mg/kg |        |        |

Zinc (Zn)

[7440-66-6]

2,22 ± 0,18

mg/kg