

Currently Out of Stock - Multivitamin/Multielement tablets

Art. ID	NIST-3280
Unit	30 tablets x 5 bottles
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM®) is intended primarily for use in validating analytical methods for the determination of vitamins, carotenoids, and elements in dietary supplement tablets and similar matrices. This SRM® can also be used for quality assurance when assigning values to in-house control materials. A unit of NIST-3280 consists of five bottles, each containing 30 tablets. The SRM® is provided as whole tablets because some of the vitamins are coated or encapsulated to provide stability and grinding would compromise this coating. Each tablet weighs approximately 1.5 g. Certified values unless otherwise stated. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Folic acid	[59-30-3]	394 ± 22	µg/g		
	Biotin	[58-85-5]	23,4 ± 3,2	µg/g		
Reference value	Ergocalciferol	[50-14-6]	8,6 ± 2,6*	µg/g		
	Phylloquinone	[84-80-0]	22,8 ± 2,2	µg/g		
	Trans-β-carotene		420 ± 100	µg/g		
	Total β-carotene		514 ± 87	µg/g		
	DL-alpha-Tocopherol (Vitamin E)	[10191-41-0]	21,4 ± 3,5	mg/g		
	Ascorbic acid	[50-81-7]	42,2 ± 3,7	mg/g		
	Thiamine hydrochloride	[67-03-8]	1,06 ± 0,12	mg/g		
	Riboflavin	[83-88-5]	1,32 ± 0,17	mg/g		
	Niacinamide	[98-92-0]	14,10 ± 0,23	mg/g		
	Pantothenic acid		7,30 ± 0,96	mg/g		
	Pyridoxine (Vitamin B6) hydrochloride	[58-56-0]	1,81 ± 0,17	mg/g		
	Boron (B)	[7440-42-8]	0,141 ± 0,007	mg/g		
	Calcium (Ca)	[7440-70-2]	110,7 ± 5,3	mg/g		
	Chlorine (Cl)	[7782-50-5]	53,0 ± 2,3	mg/g		
	Chromium (Cr)	[7440-47-3]	0,0937 ± 0,0027	mg/g		
	Copper (Cu)	[7440-50-8]	1,40 ± 0,17	mg/g		
	Iodine (I)	[7553-56-2]	0,1327 ± 0,0066	mg/g		
	Iron (Fe)	[7439-89-6]	12,35 ± 0,91	mg/g		
	Magnesium (Mg)	[7439-95-4]	67,8 ± 4,0	mg/g		
	Manganese (Mn)	[7439-96-5]	1,44 ± 0,11	mg/g		
	Phosphorus (P)	[7723-14-0]	75,7 ± 3,2	mg/g		

Potassium (K)	[7440-09-7]	53,1 ± 7,0	mg/g
Zinc (Zn)	[7440-66-6]	10,15 ± 0,81	mg/g
Arsenic (As)	[7440-38-2]	0,132 ± 0,044	µg/g
Chromium (Cr)	[7440-47-3]	93,7 ± 2,7	µg/g
Lead (Pb)	[7439-92-1]	0,2727 ± 0,0024	µg/g
Molybdenum (Mo)	[7439-98-7]	70,7 ± 4,5	µg/g
Nickel (Ni)	[7440-02-0]	8,43 ± 0,3	µg/g
Selenium (Se)	[7782-49-2]	17,42 ± 0,45	µg/g
Cadmium (Cd)	[7440-43-9]	80,15 ± 0,86	µg/g