



# Niva c. por a.

Av. Independencia 1109 - Santo Domingo - Republica Dominicana  
 U.S.FDA - Facility Registration Number : 17288105124 - RNC: 10159145-5  
 Tel: 809 685-3820/682-3098 - Fax: 809 687-9300 - e-mail: NivaMinerals@internet.net.do

**Niva Minerals®** Calcium Carbonates' superior purity and performance distinguishes them from competitive natural or precipitated products. The formulators are able to develop antacids and chewable supplement tablets with a more pleasing textures with it due to it's superior sensory performance.

**Niva KAL®** Family is very mild abrasive and high surface area. Due to it's characteristics it minimizes the effect on taste it's ideal for foods, beverages, liquid supplements, effervescent, chewable tables, toothpastes and others. Is the purest available Calcium Carbonate with the lowest level of Lead, Arsenic, Heavy Metals, Fluoride, Alkali Salts

## Niva KAL® - SPECIFICATIONS

Product	Particle Size Range (Microns)	Median Particle Size $\mu\text{m}$ by volume	%Retained on 325 Mesh Wet Screen	99 % < Mesh	Tapped Density (gm/cc)	* Dry Brightness	* Oil Absorption
<b>KALULTRA®</b>	Up to 10	1.5*	0	1250	0.90	94.0	25
<b>KALEXTRA®</b>	Up to 25	3.0*	0	750	0.94	93.8	23
<b>KALBLANK®</b>	Up to 30	3.8*	0	500	1.0	93.5	21
<b>KAL 40®</b>	Up to 40	4.5*	0	400	1.05	93.0	19
<b>KAL 60®</b>	Up to 60	6.3*	Max 1	325	1.16	92.5	18
<b>KAL200®</b>	Up to 180	7.3*	Max 10	200	1.30	92.0	17.5
<b>KAL140®</b>	Up to 250	8.3*	Max 20	140	1.40	91.5	17
<b>KAL 10®</b>	Up to 75	10.0*	Max 15	200	1.45	91.0	16
<b>KAL 12®</b>	Up to 105	12.0*	Max 20	140	1.50	90.5	15
<b>KAL 15®</b>	Up to 125	15.0*	Max 28	120	1.55	90.2	12

\* Coulter Laser Light Scattering/Hunter d25A Refractometer, green filter/Oil Absorption gr.. of oil / 100 grams. of pigment  
 Packaged in 2500 lb mini bulk supersacks and 50 lb. Bags.

**Niva KAL®** is rich in calcium. Provides nature's finest source of bio-available Calcium along with 76 vital Trace Minerals. Performs as an 40% excellent elemental calcium supplement because it is very absorbable. Contains every mineral needed by the human body, not just calcium.

## Niva KAL® - TYPICAL ANALYSIS

Units	Analyte	Result	Analyte	Result	Analyte	Result	Analyte	Result
ppm	Aluminum	79	Europium	0.03	Molybdenum	< 0.03	Sodium	34
ppm	Antimony	< 0.02	Fluoride	8	Neodymium	0.43	Srontium	136
ppm	Arsenic	< 0.2	Gadolinium	0.12	Nickel	3.4	Tantalum	< 0.02
ppm	Beryllium	< 0.02	Gallium	< 0.02	Niobium	< 0.02	Tellurium	< 0.02
ppm	Bismuth	< 0.02	Germanium	< 0.02	Osmium	< 0.02	Terbium	0.18
ppm	Boron	0.86	Gold	< 0.02	Palladium	< 0.02	Thallium	< 0.02
ppm	Bromide	0.4	Hafnium	< 0.02	Phosphorus	< 100	Thorium	< 0.02
ppm	Bromine	0.2	Holmium	< 0.02	Platinum	< 0.02	Thulium	< 0.02
ppm	Cadmium	0.57	Indium	0.16	Potassium	1.97	Tin	< 0.02
ppm	Calcium	398,000	Iodine	17	Praseodymium	0.09	Titanium	2.78
ppm	Carbon	121,700	Iridium	< 0.02	Rhenium	< 0.02	Tungsten	< 0.02
ppm	Cerium	0.4	Iron	60	Rhodium	< 0.02	Uranium	1.52
ppm	Cesium	< 0.02	Lanthanum	0.64	Rubidium	< 0.02	Tungsten	< 0.02
ppm	Chloride	30.3	Lead	0.10	Ruthenium	< 0.02	Uranium	1.52
ppm	Chromium	5	Lithium	0.33	Samarium	0.08	Vanadium	42.
ppm	Cobalt	2.32	Lutetium	< 0.2	Scandium	0.05	Ytterbium	0.03
ppm	Copper	1.84	Magnesium	1030	Selenium	0.27	Yttrium	0.44
ppm	Dysprosium	0.08	Manganese	5.7	Silicon	< 100	Zinc	0.66
ppm	Erbium	0.04	Mercury	< 0.04	Silver	< 0.02	Zirconium	0.13



## Niva KAL® - TYPICAL PROPERTIES

**Niva KAL®** is specifically tailored to meet the challenging applications and requirements of the Pharmaceutical and Nutritional supplement industries .

**Niva KAL®** meets or exceeds European, Japanese, US Pharmacopoeia requirements

### Niva KAL®

Excellent value for Human and Animal Foods products

### Niva KAL®

Calcium Carbonate Family all with low lead level enables CA Proposition 65 compliance

### Niva KAL®

Ultra-Pure Natural Calcium Carbonate

### Niva KAL®

is 40% elemental calcium. It takes only 1 gram of Niva KAL® to add 400 milligrams of calcium to your product.

Test	Europe	Japan	US	Niva KAL®
Calcium Carbonate	> 98.5%	> 98.5%	> 98.0%	> 99%
Loss on Drying	< 2.0%	< 1.0%	< 2.0%	< 1.0%
Magnesium and Alkali Salts	< 1.5%	< 0.5%	< 1.0%	< 0.5%
Acid Insolubles	< 0.2%	< 0.2%	< 0.2%	< 0.2%
Lead	n/a	n/a	< 3 ppm	< 0.125 ppm
Arsenic	< 4 ppm	< 5 ppm	< 3ppm	< 0.5 ppm
Fluoride	n/a	n/a	< 0.005%	< 0.005%
Barium	Pass	Pass	Pass	Pass
Iron	< 0.02%	n/a	< 0.1%	< 0.01%
Mercury	n/a	n/a	< 0.5 ppm	< 0.1 ppm
Heavy Metals	< 0.002%	< 0.002%	< 0.002%	< 0.002%
Chlorides	< 330 ppm	n/a	n/a	< 35 ppm
Sulfates	< 0.25%	n/a	n/a	< 0.25%
Total Yeasts and Molds	n/a	n/a	< 300CFU/g	< 100 CFU/g
Total Aerobic Microbial Co.	n/a	n/a	< 3000 CFU/g	< 1000 CFU/g

Appearance : white powder or colorless , odorless , tasteless crystals

### Niva KAL® Family Advantages :

- ✓ The low abrasivity means less wear on processing and tableting equipment, meaning lower production cost and higher throughput .
- ✓ The high Calcium content reduces the cost of adding valuable levels of Calcium fortification to products .
- ✓ Meets US, European and Japanese Pharmacopoeia Requirements .
- ✓ Excellent Sensory Performance .
- ✓ Enables CA Proposition 65 compliance .
- ✓ Consistent Quality .



**Niva KAL®** are produced by **Niva Minerals®** , a division of **Niva c. por a.** , in La Descubierta (Dominican Republic) with natural and high quality standards, certificated by ISO 9001-2000 , NSF, and cGMP Facility.

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Created by Niva c. por a.

**Niva Minerals®** , **Niva KAL®** , **KALULTRA®** , **KALEXTRA®** , **KALBLANK®** , **KAL 40®** , **KAL 60®** , **KAL200®** , **KAL140®** , **KAL 10®** , **KAL 12®** , **KAL 15®** trademarks of **Niva c. por a.**

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