



NutraNate

Mineral Gluconates

NutraNateCa

NutraNateMg

NutraNateFe

NutraNateZn

NutraNateK

NutraNateCu

NutraNateMn

Innovative Solutions for Mineral Fortification

NUTRAGal

Mineral Gluconates

Innovative Solutions for Mineral Fortification

NutraMate

Brand Name	NUTRACAL	NUTRACAL+Mg	Nutranate Ca	Nutranate Mg	Nutranate Mn	Nutranate K	Nutranate Zn	Nutranate Cu	Nutranate Fe
Chemical Name	Calcium lactate gluconate	Calcium magnesium lactate gluconate	Calcium gluconate	Magnesium gluconate	Manganese gluconate	Potassium gluconate	Zinc gluconate	Copper gluconate	Ferrous gluconate
Chemical Formula	$C_{12}H_{22}CaO_{14}$ + $C_6H_{10}O_6Ca$	$C_6H_{10}O_6Ca$ + $C_{12}H_{22}O_{14}Mg$	$C_{12}H_{22}O_{14}Ca$	$C_{12}H_{22}O_{14}Mg$	$C_{12}H_{22}O_{14}Mn$	$C_6H_{11}OK$	$C_{12}H_{22}O_{14}Zn$	$C_{12}H_{22}CuO_{14}$	$C_{12}H_{22}FeO_{14}$
Molecular Weight	430+218		430	414	445	234	455	454	446
Appearance	Powder	Granular Powder	Granular Powder	Granular Powder	Granular Powder	Granular Powder	Granular Powder	Granular Powder	Granular Powder
Colour	White	White to off-white	White	White	Off white / light pink	White to off white	White	Light blue	Pale Greenish Yellow
Mineral as is in %	10.00-11.50	Mg 3.00-4.00 Ca 6.00-7.00	8.80-9.50	5.04-5.80	10.98-12.20	15.69-17.20	12.30-14.60	13.72-14.28	10.50-11.60
Purity (assay) in %	n.f	n.f	98-102	98-102	98-102	79-103	97-102	98-102	97-102
Solubility in water g/l + in boiling water ++ in 25 C°	400++	400++	100+	100+	100+	50++	100+	500++	20++
Monograph complied with*	In-house	In-house	USP/FCC	USP	USP	USP/FCC	USP/FCC	USP	EP/BP/USP



* USP: United States Pharmacopoeia • EP: European Pharmacopoeia
• BP: British Pharmacopoeia • JP: Japan Pharmacopoeia • FCC: Food
Chemicals Codex

NUTRACAL

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