

# Metals in Food



## Detection Limits (MDL) and Quantification (MQL)

Essays:	Detection Limit (mg/kg):	Quantification Limit (mg/kg):	Accreditation ISO-17025 OAA <sup>(c)</sup>	Qualification SENASA <sup>(d)</sup>
Aluminium – Al	1,00	2,00	-	-
Arsenic – As	0,01	0,02	✓	✓
Antimony – Sb	0,05	0,10	-	-
Sulfur – S	300	300	-	-
Barium – Ba	0,05	0,10	-	-
Beryllium – Be	0,05	0,10	-	-
Boron – B	1,00	2,00	-	-
Cadmium - Cd	0,01	0,02	✓	✓
Calcium – Ca	50	100	-	-
Caesium – Cs	0,05	0,10	-	-
Zinc – Zn	1,00	1,00	-	-
Cobalt – Co	0,05	0,10	-	-
Copper – Cu	1,00 (0,10) <sup>(a)</sup>	1,00 (0,10) <sup>(a)</sup>	-	-
Chromium – Cr	0,20 (0,05) <sup>(a)</sup>	0,50 (0,50) <sup>(a)</sup>	-	-
Tin – Sn	1,00	1,00	-	-
Strontium – Sr	0,05	0,10	-	-
Phosphorus – P	50,00	100	-	-
Gallium – Ga	0,05	0,10	-	-
Iron – Fe	1,00 (0,40) <sup>(a)</sup>	3,00 (0,80) <sup>(a)</sup>	-	-
Lithium – Li	1,00	2,00	-	-
Magnesium – Mg	50	100	-	-
Manganese – Mn	0,05	0,10	-	-
Molybdenum – Mo	0,05	0,10	-	-
Mercury - Hg	0,01	0,05	✓	✓
Nickel – Ni	0,05	0,10	-	-
Silver – Ag	0,05	0,10	-	-
Lead - Pb	0,02	0,05	✓	✓
Potassium – K	50	100	-	-
Rubidium – Rb	0,05	0,10	-	-
Selenium – Se <sup>(b)</sup>	0,50 (0,05) <sup>(a)</sup>	1,00 (0,05) <sup>(a)</sup>	-	-
Sodium – Na	50	100	-	-
Thallium – Tl	0,05	0,10	-	-
Uranium – U	0,05	0,10	-	-
Vanadium – V	0,05	0,10	-	-

<sup>(a)</sup> The limits in Oil are indicated between brackets.

<sup>(b)</sup> The limits for Se must be verified in each particular matrix.

<sup>(c)</sup> See matrices in scope of ISO 17025 accreditation.

<sup>(d)</sup> Enabling in Feed (Red Roja de SENASA)

NOTE: Contact us for not listed elements.