

Ultrane 510

Food Contact Test Result

Béatrice Deffrenne
Product Technical Pole

September 2022

The glove **Ultrane 510** has been tested to evaluate its capacity to be put into contact with food according to the European regulation 1935/2004/EC of the European parliament and the council on materials and articles intended to come into contact with food, and to the European commission regulation 10/2011/EU on plastic materials and articles intended to come into contact with food

a) Specific migration primary aromatic amines ⁽¹⁾

Method : norm EN 13130-1

Result : < 0.002 mg/kg Limit : < 0.002 mg/kg

b) Specific migration 19 metals ⁽¹⁾

Method : norm EN 13130-1

Metal	Result (mg/kg)	Limit (mg/kg)
Aluminium	< 0.25	< 1
Antimony	< 0.025	< 0.04
Arsenic	< 0.005	< 0.01
Barium	< 0.25	< 1
Cadmium	< 0.002	< 0.002
Chromium	< 0.01	< 0.01
Cobalt	< 0.025	< 0.05
Copper	< 0.25	< 5
Europium	< 0.025	< 0.05

Metal	Result (mg/kg)	Limit (mg/kg)
Gadolinium	< 0.025	< 0.05
Iron	< 0.25	< 48
Lanthanum	< 0.025	< 0.05
Lead	< 0.005	< 0.01
Lithium	< 0.025	< 0.6
Manganese	< 0.01	< 0.6
Mercury	< 0.005	< 0.01
Nickel	< 0.0125	< 0.02
Terbium	< 0.025	< 0.05
Zinc	< 0.25	< 5

c) Repeated overall migrations ⁽¹⁾ ⁽²⁾

Method : EN 1186, contact 3 times 30 min at 40°C

Results :

simulant	Migration (mg/dm ²)	Limit (mg/dm ²)
Acetic acid 3%	3	10
Ethanol 10%	4	10
Ethanol 20%	4	10
Ethanol 50%	11 ^a	10

a : analytical tolerance : 2 mg/dm² for aqueous food simulants

Conclusion :

The glove is in compliance with the European food contact regulation.

It can come into contact with all kind of food, except fatty food.

Références :

⁽¹⁾SGS St Etienne du Rouvray, report CL22-02659, 30/06/2022

⁽²⁾SGS St Etienne du Rouvray, report CL22-03620, 16/08/2022