



Last update: 22-10-2021

Pumpkin seeds GWS specification

Sensoric

Color	Natural green to dark green
Odor	Typical pumpkin seeds flavour without flat, stale, rancid or foreign odours.
Taste	Clean and fresh taste typical of pumpkin seeds
Appearance	Whole seeds
Moisture	≤7.5%
Impurity	≤0.05%
Foreign Matter (e.g.stones,glass,metal)	Not allowed
Pests (e.g.mites,maggots,cocoons,insectsegs)	Not allowed
Mould Kernel	Not allowed

	AAA grade	AA grade	A grade
AA rate	98% min	95% min	40% min
Broken/damaged seeds	1%	1%	3%
Dirty kernels	1% max	1% max	2% max
White kernels	Absent	Absent	3%

Microbiological standard value

Testing items	Non-heat treated Maximum value cfu/g	Heat treated Maximum value cfu/g
Aerobic mesophilic colony count	<1x 10 ⁶	<1x 10 ⁵
Mould & Yeast	<1x 10 ⁴	<1x 10 ³
Salmonella	Absent in 25g	Absent in 25g
E-Coli	<10	<10

Qualification of Suppliers :

The suppliers have to be **BRC, ISO and/or HACCP certified and have good experience for exporting to EU for more than 5 years.**

Equipment for processing and admixture-removing :

The goods have to be processed by color Sortex, X-ray machine and Metal-detector to ensure no glass, no stones and no metals.

Hand selection by well-trained employees under adequate lightening is required to remove undesired, imperfect kernels/admixtures.

Storage:

The goods has to be stored in dry conditions, clean, without any off-flavor, without pest.

From April till October, the goods must be stored into cold warehouse with temperature between 5 to 12 °C.

Fumigation:

The goods have to be fumigated for at least 72 hours with aluminum phosphide (mephylbromide not allowed) one week before loading during April to Oct. No fumigant is allowed in

Packing:

All packing materials have to meet the standards of EU. This needs to be proven with a migration test. Outer packing should be cartons, the inner packing is vacuumed without oxygen absorber. Paper bags are allowed after approval by buyer.

Shelf life

24 months from processing date.

GMO & NON-Irradiation:

No GMO according 1829/2003 and 1830/2003

Supplier declares that the product is free from GMO's and not treated with ionized radiation.

Nutritional table

Energy	559 kcal		Fat	49 g
Carbohydrates	10.7 g		Saturated fat	8.7 g
Sugars	1.4 g		Dietary Fibre	6 g
Protein	30.2 g		Salt	17.5 mg

(From USDA database)