This specification describes articles of the material group

PLA – Poly-lactic acid

Material description:

PLA forms through the production of lactic acid from glucose from fermentation. Then a polymerization is added to the resulting lactic acid in the second step. The glucose is obtained here by the grinding and subsequent saccharification from plants which contain starch. Production of PLA in the USA (NatureWorks® Polymer PLA).

PLA can be processed in similar plants as PE: injection moulding, deep-draw, sheet blowing. PLA consists of 100 percent renewable raw materials, has a high stiffness factor, is moisture and grease resistant and has a high gloss. The material is transparent, printable, bio-degradable, food-save but not heat resistant.

	**Salad bowl with lid** Article no N579, N580, N581, N582, N584
	**Salad bowl with lid** Article no N583, N585
	**Salad bowl round** Article no 12559, 13650, 14517
	**Lid for salad bowl round** Article no 12560
	**Lid dome stackable for salad shaker / drinking cups 3 – 5 dl** Article no 11151

	**Lid dome stackable with hole for salad shaker / drinking cups 3 – 5 dl** Article no 11645
	**Insert for salad shaker / drinking cups 3 – 5 dl and dessert cups 10051** Article no N347
	**Shallo insert for salad shaker / drinking cups 3 – 5 dl and dessert cups 10051** Article no 11318
	Flat lid with hole for drinking cups 2 dl / 2.5 dl Article no 10379
	Lid dome with hole for drinking cups 2 dl / 2.5 dl Article no 10063
	**Square lid** Article no N279, 14170
	**Lid for cup dessert 10838, 11434 / 10839, 11435** Article no 10920 / 10921
	Lid for salad bowls 12895, 12896, 12897 Article no 13309

	**Lid flat for bowls N395/N396/N397** Article no 12012
	**Lid flat for bowls 3456/3457** Article no 12049
	Lid rectangular for 15551, 15552 Article no 15545
	Lid rectangular for 14968 & 14969 Article no 16821
	Lid square for 14966 & 14967 Article no 16823
	**Round lid flat for 13517, 14970, 14971** Article no 15370
	**Square lid clear for 14966, 14967** Article no 15258
	**Rectangulare lid clear for 14968, 14969** Article no 15260

	**Round lid dome for 13517, 14970, 14971** Article no 13343
	**Dom lid round for 15549, 15550** Article no 15543
	**Dom lid for 15548** Article no 17491
	Dom lid round for 15548 Article no 17491
	**Dome lid round for 13517, 14970,14971** Artikelnummer 15370
	**Container with Lid** Article no 17522, 17523, 17524, 17525, 17526

Material/composition

Material: Poly-lactic acid

Storage

Storage temperature: 0°C to 35°C
Relative humidity: dry
Storage conditions keep away from direct sunlight

Purpose of use

Types of food to be in contact with the material:

☒ all types of food

Applications:

☒ Storage : 3d
☒ Heat resistent : up to 40°C
☒ single-use

Declaration of compliance

These articles meet the following regulations and are suitable for direct contact with food :

☒ **Regulation (EC) No 2023/2006** on good manufacturing practice for materials and articles intended to come into contact with food

☒ **Regulation (EC) No 1935/2004** on materials and articles intended to come into contact with food and

☒ **Regulation (EU) No 10/2011** on plastic materials and articles intended to come into contact with food

☒ **Directive 94/62/EC** on packaging and packaging waste

☒ **SR 817.023.21** The Swiss Ordinance on Materials and Articles in Contact with Food

Overall migration

Tested under the following conditions (Test report SQTS 2016L35602):

Simulant	Time	Temperature
☒ B: Acetic acid 3 % (v/v)	3 days	40°C
☒ D2: Vegetable oil	3 days	40°C
☒ Alternative simulant Ethanol 95 % (v/v)	3 days	40°C

The global migration values are below the limit of 10 mg/dm² or 60 mg/kg.

Specific migration

The values of the following monomers, for which specific migration limits and limitations apply, are met :

Substance	CAS-nbr	Limit mg/kg
Fatty acid esters		60
Fatty acid		60
Lactid acid oligomers		Lactid acid: 60

* or substance with similar mass spectrum

Calculation basis

☒ Ratio of food contact surface area to volume used to establish the compliance of the material or article: 6 dm²/kg

Heavy metals

No increased heavy metal values were detected in the packaging. The sum of the measured elements is below the limit of 100 mg/kg according to the ChemRRV as well as the directive 94/62/EC.

Production location:	Taiwan
Biological degradability:	the products are completely biodegradable
Certificate:	Dincertco DIN EN 13432
Customs duty number:	3923.1000 3923.9000 3924.1000 3923.1090

Reclamation

Deliveries, which differ from the listed specifications, will be withdrawn and replaced after review.

Created by: STOL **Date: 08.12.2017**	**Released by: MEI** **Andreas Meier (Head of Purchasing)**

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