Technical Data Sheet

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111
Blow Gun (USA)

Technical Data Sheet Applicable To:

111-T806-P01	Detectable Blow Gun

Industry Usage:

The Detectable Blow Gun is made of food-grade plastic. Specifically developed to improved food safety through all fully detectable components. The aims to eliminate the risk of accidental contamination during the manufacturing process.

Features and Benefits:

- Metal Detectable and X-ray Visible
- Food safe material
- Metal Detectable seals
- Stainless steel valve
- High chemical resistance
- Ergonomic grip
- Air use only
- Nipple not included

Material and Compliance Information:

Class Title	90mm Brass Tube
Tube	Fixed Tube
Connection	Rc 1/4*
Noise Level	96dB
Flow Capacity (I/min)	500 I/min
Max Working Pressure	16 bar (232 PSI)
Min. Burst Pressure (bar)	PA66 (body), Brass (tube) Stainless steel (valve)
Media	Air
Min Usage Temperature	-20°c (-4°F)
Max Usage Temperature	60°c (140°F)

This product is manufactured in accordance with EU Commission Regulation no. 1935/2004, Food Contact Material (FCM) – The plastic body is laser marked with the "Glass & Fork" symbol for Food Contact Material (FCM)

The intended use for the Detectable blow gun is for compressed air applications in the food industry with unintended contact with food.

This product is produced according to EU commission Regulation no. 2023/2006 of 22 December 2006 on good manufacturing practices for materials and articles intended to come into contact with food (GMP)

Although the positive list set out in Annex I of Commission Regulation (EU) No 10/2011, and further amendments until Reg. (EU) 2020/1245, does not include the colorants, we hereby confirm that those eventually included in the formulation of the product are in compliance with the purity requirements defined in the resolution AP(89)1 of 13 September 1989 of the Council of Europe on the use of colorants in plastic materials coming into contact with food.

The plastic material (polyamide 66) is composed exclusively of substances listed in the positive list of the following regulations relating materials and items intended to come into contact with foodstuffs: Regulation (EU) No 10/2011. Subsequent amendments up to (EU) 2023/1627 are included.

The material contains intentionally added additives for which restrictions or purity criteria are in place in accordance with Reg. (EU) No. 10/2011. Upon request we will supply relevant information regarding these substances on a confidential basis.

The material contains intentionally added "dual use" additives according to Reg. (EC) No 1333/2008. Upon request we will supply relevant information regarding these additives on a confidential basis.

All raw materials in this product are in compliance with FDA (Food and Drug Administration in the USA) 21 CFR parts 170 to 199.

The polymers and additives complies with FDA 21 CFR part 175, 177, and 178. Additives are cleared according to FDA 21 CFR Part 178 (Indirect food additives), are generally recognized as safe (GRAS).

The colorants in the compound are listed under FDA 21 CFR 178.3297 "Colorants for Polymers".

Migration Testing

Samples of the product (the plastic handle/trigger) have been tested for overall migration according to the test conditions specified in (EU) No 10/2011.

The results for overall migration are below the threshold value of 10 mg/dm² and the migration did not increase from the 1st to the 2nd and from the 2nd to the 3rd migration.

The results for specific migration are below the specific migration limits and the migration did not increase from the 1st to the 2nd and from the 2nd to the 3rd migration.

In the scop of the NIAS Screening there was no indication for an objection.

Food simulations used for overall migration were 10% ethanol, 95% ethanol, 3% acetic acid, and olive oil. Test conditions for overall migration: 3 x 30min at 40°c (Repeated use)