

METAL DETECTABLE HAND PADDLE

FOOD SAFE HAND PADDLE | BONDED DETECTABLE END CAP | WITH HOLES

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Product Specifications

SH1HP55SSMB | Revised June 2015



Product Description: Our hand paddle is fully detectable and features holes which allow ingredients to pass through the paddle, which in turn, helps with ease of stirring.

These are specifically developed for the food processing industry and are produced from a specially formulated material based on high impact food contact approved polypropylene.

These virtually unbreakable, lightweight, easy to clean and store paddles have excellent wear resistance whilst reducing the risk of damage to floor surfaces and machinery.

Product Code: SH1HP55SSMB

Colour Availability: Blue only

Pack Size: 1

Product Size: 542mm x 132mm

Weight: 0.60kg

Temperature Range: °C -30 +80

Product Advantages:

- ✓ Displays due diligence in the prevention of foreign body contamination
- ✓ Can be used to form part of HACCP and BRC procedures
- ✓ Highly durable and provides excellent wear and tear resistance
- ✓ Reduced risk of damage to floor surfaces and machinery



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Product Material: Manufactured from a material based on high-impact, food contact approved polypropylene. The material contains full and uniform dispersion of detectable elements throughout the product.

Certificate of Food Contact Approval

Results Summary:

Migration Test Result Summary:	Conclusion
European Commission regulation (EU) No 10/2011	
Finished moulded product: Migration Test	PASS

The migration from the material was less than the maximum permitted by the Regulations.

Specific Migration Of Metals Test Result Summary:	Conclusion
European Commission regulation (EU) No 10/2011	
Specific Migration of Metals	PASS

FDA Test Result Summary:	Conclusion
US FDA 21 CFR 177.1520 (Olefin Polymers) Polypropylene copolymer	PASS

The raw material used in the manufacturing of this product does not contain silicone.

Overall Migration Testing

Results:

The materials were tested in accordance with requirements of the Plastic Materials and Articles in Contact with Food Commission regulation (EU) No. 10/2011 following Methods BSEN 1186:2002.

The Regulations require that no plastic material shall be capable of transferring its constituents to food which it may come into contact in quantities exceeding the appropriate limit. For the material the appropriate limit is 10 mg/dm²

Simulant	Conditions	Migration
3% Acetic Acid	24 Hours at 40°C	2.4 mg/dm ²
95% Ethanol	24 Hours at 40°C	1.6 mg/dm ²
Iso-octane	4 Hours at 20°C	<4.2 mg/dm ²



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Test Result Summary:	Conclusion
European Commission regulation (EU) No 10/2011	
Finished moulded product: Migration Test	PASS

Specific Migration of Metals Testing

Method:

Sample preparation in 3% acetic acid (w/v) in aqueous solution at 70°C for 2 hours with reference to EN 13130-1:2004; followed by analysis using Inductively Coupled Argon Plasma Spectrometry (ICP).

Results:

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
Specific Migration of Barium	ND	0.25	1
Specific Migration of Cobalt	ND	0.03	0.05
Specific Migration of Cooper	ND	0.25	5
Specific Migration of Iron	ND	0.25	48
Specific Migration of Lithium	ND	0.5	0.6
Specific Migration of Manganese	ND	0.25	0.6
Specific Migration of Zinc	ND	0.5	25
Comment	PASS	-	-

Note: 1. mg/kg = Milligram per kilogram of foodstuff in contact with
2. °C = Degree Celsius
3. ND = Not Detected

U.S Food & Drug Administration Testing

Results:

US FDA 21 CFR 177.1520 (Olefin Polymers) Polypropylene Copolymer.

Extractable Fraction:

With reference to US US FDA 21 CFR 177.1520 d (3) (ii). Sample preparation in n-hexane at 50°C for 2 hours.

	Result (%w/w)	Reporting Limit (% w/w)	Reference Limit (%w/w)
Extractable Fraction	3.0	0.1	5.5
Comment	PASS	-	-



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Soluble Fraction:

With reference to US FDA 21 CFR 177.1520 d (4) (ii). Sample preparation in xylene at 25°C for 2 hours.

	Result (%w/w)	Reporting Limit (% w/w)	Reference Limit (%w/w)
Soluble Fraction	9.2	0.1	30.0
Comment	PASS	-	-

Note: 1. %(w/w) = Percent by weight by weight
2. ND = Not detected
3. °C = Degree Celsius

All testing has been carried out by UKAS accredited testing laboratory.

Declaration of absence Silicone

Hand Paddle With Holes:

On the basis of our knowledge of the manufacturing process and information provided by raw material suppliers.

Contains Polydimethylsiloxane CAS 63148-62-9, 0,0060%

Testing Information:

BST recommend that all our products be thoroughly tested on your metal detection systems by a trained and certified professional. It may be the case that your equipment may need to be recalibrated in order to reliably detect this product.

Such a professional should be available by contacting the manufacturer of your metal detection system.

DISCLAIMER

The information provided in this product specification sheet is based on our experience and knowledge to date and we believe it to be true and reliable. This information is intended as a guide for your use of our products, the use of which is entirely at your own discretion and risk. We, BS Teasdale & Son Ltd, cannot guarantee favourable results and assume no liability in connection with the use of our products.

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