

**FDA – FOOD GRADE COMPLIANCE STATEMENT**

A.W. Chesterton Company  
 860 Salem St.  
 Groveland, MA 01834

This is to confirm that Chesterton product **ARC MX FG** complies to 21CFR 175.300 and is intended to come into direct food contact; manufactured in accordance to Chesterton’s control procedure “**IL/ARC Current Good Manufacturing Practices (cGMP)**”.

The tests were carried out as per 21CFR 175.300(c). The ARC MX FG product meets the extraction requirements for use as a coating in contact with Type II, III, IV-A, IV-B & V foods under Condition C (hot filled or pasteurized above 150 F) for single and repeated use container applications. The coating also complies with 21CFR 175.300 for Type II, III, IV-A, IV-B, V food types & Type VIII Dry Foods, stored under Condition C in contact with the coating.

<b>Food simulating solvent:</b>	<b>Distilled Water</b>
Exposure Conditions: 21CFR 175.300 (e) (4)(iii)	Add boiling solvent to test coupons and allow extraction test to continue until temperature falls to 100° F,
<b>Results</b>	<b>mg extraction residue / in2 of coating exposure</b>
21CFR 175.300 (e ) Extraction	Trial 1   Trail 2   Trial 3   Average (mg/in2)
Condition C: Distilled Water: Fill boiling, cool to 100° F	0.16   0.17   0.17   0.17
<b>Food simulating solvent:</b>	<b>Heptane</b>
Exposure Conditions: 21CFR 175.300 (e ) (4)(iii)	120° F heptane for 15 minutes
<b>Results</b>	<b>mg extraction residue / in2 of coating exposure</b>
21CFR 175.300 (e) Extraction	Trial 1   Trail 2   Trial 3   Average (mg/in2)
Condition C: Heptane: 15 minutes @ 120° F	0.14   0.10   0.12   0.12

**Requirements per 21CFR 175.300(c) (maximum allowed for any extraction condition):**

- Single-use containers <= 1 gallon: 0.5 mg/in2
- Single-use containers > 1 gallon: 1.8 mg/in2
- Repeated-use: 18mg/in2

Materials shall be Generally Considered As Safe (GRAS) as demonstrated under FDA’s implementing regulations in 21CFR 170.3 and 21CFR 170.30. Traceability is assured via compliance with the requirements of AWC Groveland Business Management System Manual Revision K, dated January 14. 2020 and control procedure “**IL/ARC Current Good Manufacturing Practices (cGMP)**”.



Quality Manager CQE, CMQ/OE  
 A.W. Chesterton Company