


**PROTOCOL # 833-I**

**BAKEWARE SILICONE**

Performance Test	Test Method	Samples	Test Principle/Requirements	Rating (Section or exec. Summary which failed items can be referenced)
<b>LABELING</b>				
Labeling / Packaging Review	FPLA 16 CFR 500 & 19 CFR 134	All Samples	Shall be legibly marked with the following information: -Distributor's name, trademark or other means of identification of the manufacturer or packer & address (City, State & Zip) -Product identification -Net quantity of the contents in terms of weight, measure or numerical count (Metric & US Standard) or a combination so as to give accurate information and facilitate value comparison by the consumer (if applicable) -Country of origin (if imported)	
Care And Use Instructions	CMA Engineering Standards Clause 6.5.1	All Samples	Preparation recommendations before initial use (for non-stick coatings, etc.)  Maximum oven use temperature (for plastic handle)  Surface cleaning and caring advice  Advice on tightening of handle fixture  Information to avoid misuse of abrasive pad and cleaner  Warranty information (if applicable)	
Markings	CMA Standards Chapter 2	All Samples	Measurements of top-of-range cooking utensils & bakeware shall be marked permanently or with temporary labels	
Verify Label Claims	Visual Check/ Performance Claims	All Samples	The labeling must be valid and comply with all claims.	Claim: Actual:
BPA Free Label	Visual Check	All Samples	Must be conspicuously labeled as "BPA Free"  <b>Containers designed to be filled with food or liquid for children under the age of 3</b>	
Adult Tracking Label **If space limitations exist, contact Kohl's Quality Assurance & Product Integrity teams to discuss minimum required information (quality.assurance@kohls.com)	Kohl's Requirement	All Samples	Can be included on packaging when necessary: Kohl's Assigned Factory Number Manufacture Date (Month/Year) UPC #	

Chemical Disclosure / Labeling in Cookware	CA AB-1200 article 2 (mod) / CO HB-22 1345 sec. 25-15-604 (2)a-f (mod)/ Visual	All Samples	<p>"Cookware chemical disclosure labeling provided for CA AB-1200 and/or CO HB-22-1345 compliance pertaining to handles or any surface that comes into contact with food, foodstuff, or beverages shall meet the following:</p> <p>1) List of chemicals is introduced by the phrase ""The product contains: ""</p> <p>2) List of chemicals is followed by the phrase ""For more information about chemicals in this product, visit: / Para obtener más información sobre las sustancias químicas de este producto, visite: ""www.kohls.com/chemicaldisclosure"" and QR code which leads to that web address</p> <p>3) Lab must verify that all disclosed chemicals are present on the Kohl's TRF</p> <p>4) Labeling must be incorporated into retail packaging or printed on a sticker / hangtag which is affixed to retail packaging or the product. Fold out ""butterfly"" labels are acceptable. Printing on the inside of retail packaging or an information insert are not acceptable formats</p> <p>See example below:</p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <p><b>This Product Contains:</b>  (Este producto contiene:) Chemical 1, Chemical 2, Chemical 3, Chemical 4, etc.  For more information about chemicals in this product, visit: (Para obtener más información sobre las sustancias químicas de este producto, visite:) <a href="https://cs.kohls.com/app/answers/detail/a_id/4243?cid=ISMQR246&amp;utm_medium=ISM">https://cs.kohls.com/app/answers/detail/a_id/4243?cid=ISMQR246&amp;utm_medium=ISM</a></p>  </div>	
<b>PHYSICAL CHARACTERISTICS</b>				
Size	FPLA/ UPLR	3 Samples	As claimed/ measured (+3%/ -0%)	Claim: Actual:
Capacity	FPLA/ UPLR	1 Sample	As claimed/ measured (+3% / -0%)	Claim: Actual:
<b>CONSTRUCTION QUALITIES</b>				
Kohl's Workmanship Review	Visual Check /Actual Use	1 Sample	<p>All components shall be provided as claimed and shall not be deformed or fractured.</p> <p>All hardware shall be provided</p> <p>All welds shall be smoothly finished and free from pits and splatter</p> <p>All components shall not contain any burrs or sharp edges (test by touch or sight)</p> <p>Product shall not contain any loose components or unsecured fastening where rigidity is required</p>	
<b>PERFORMANCE TESTING</b>				
Microwave Safe (If Claimed)	Actual Use	1 Sample	<p>No visible damage after the test.</p> <p>The sample is filled with water to 80% of its capacity. Heat item separately in 1200W microwave oven for 3.0 min. @ 100% power. No adverse effects. Grip temperature &lt; 140° F (60° C) on samples with handle only. Report if label is not durably marked.</p>	

Oven Safe	Actual Use	1 Sample	Place empty in preheated 350° F (177° C) oven, (include lid), remove @ 1 hour, cool. Repeat if claimed oven safe temperature is higher than 350° F (177° C). Shall exhibit no cracking, crazing, melting, deformation, or color change.	
Freezer Safe (if applicable)	Temperature	1 Sample	Shall withstand extreme temperature of 0°F (-18°C) without cracking, or deformation.	
Effect of Handwashing	Kohl's TM 32	3 Samples	No color change and no adverse effects – Hand wash with detergent for below defined cycles.  Tier 1: 5 Cycles Tier 2: 15 cycles	
*Dishwasher Safe (If Claimed)	Kohl's TM 57	3 Samples	Dishwasher / detergent for below defined cycles - no color change or adverse effects. Report if label is not durably marked.  Tier 1: 5 Cycles Tier 2: 15 cycles	
Stain Resistance	Actual Use	1 Sample	No objectionable stain after below timing placement: Ketchup, mustard & cooking oil Red wine, grape juice & coffee  Tier 1: 30min Tier 2: 4hours	
*Baking Goods Release Test (For cake holder)	Actual Use	1 Sample	Bake the cake mixture without additional fat or other lubricant until set and then remove it. There shall have no residue leave on the sample.  Note: Fill cake mixture to 1/2 of its capacity.  Preheat the oven according to instruction (if applicable) or 230°C if no instruction provided.  Place the product with mixture into the oven for 1 hour.  Remove the product from oven and place in ambient temperature for at least 1 hour for cooling.	
Handle Strength	Kohl's TM 34	1 Sample	Shall withstand the below number of times of the volume capacity weight in cold & hot conditions without facture. Tier 1: 2times Tier 2: 2.5times	
Thermal Conductivity (Dry)	Std. Measure	1 Sample	All points on cooking surface should be within + 25°F (+ 14°C) when removed from heat source.	
<b>ANALYTICAL</b>				
*Lead In Scrapable Surface Coating	CPSC-CH-E1003-09	1 Sample	≤90 ppm (0.009% by weight).  (CPSA – 16CFR 1303)	
*Toxicology (Plastics and polymeric coating)	21 CFR 175/177	1 Sample	Must comply with applicable requirements of FDA.	

*Bisphenol A (BPA) Content Scope: 1) Reusable food or beverage containers (ie, food contact), including lid, cup, etc). 2) Sports bottles	Solvent extraction and analysis by LC/MS  Various US State Laws (CT, WA, NY, DE, IL, MA, MD, ME, MN, NV, VT, WI, the District of Columbia, Chicago City)	All Samples & All Colorways	<b>Shall not contain any detectable level of Bisphenol A</b>  Remark: Actual testing shall be done on all accessible plasticized material including coatings and plastic.  Exempt Materials: Glass, Metal, Wood, Textiles.  Plastic layer or coating on exempt material shall need to be tested. Vendor shall be responsible for compliance of other materials.
PFAS Supplemental Protocol (1600)	Refer to Protocol 1600	All Samples	All samples shall be reviewed against the requirements of PFAS Supplement Protocol to determine if additional testing or labeling is required
Total Lead	Metal: CPSC-CH-E1001-08.3 Non Metal: CPSC-CH-E1002-08.3 Surface Coating: CPSC-CH-E1003-09.1	1 Sample	90ppm Minnesota 325E.3892 (HF 2310)  Products preempted by federal & state law (e.g., CPSC, FDA, etc) are exempt from testing.  Product exemptions for CPSC (16 CFR 1500.91 (d) and (e), 16 CFR 1500.88 and 16 CFR 1252)
Total Cadmium	Substrate & Surface Coating: EPA or ASTM method from AFIRM or CPSC methods	1 Sample	40ppm (children) Washington State CHCC
Total Cadmium	Substrate & Surface Coating: EPA or ASTM method from AFIRM or CPSC methods	1 Sample	75ppm Minnesota 325E.3892 (HF 2310)  Product Exemptions by federal & state law (e.g., CPSC, FDA, etc) are exempt from testing.'
Food Contact Supplemental Protocol (State Regulations Only)	Refer to Protocol 1800	All Samples	All samples shall be reviewed against the requirements of Food Contact Supplemental Protocol (State Regulation Only) to determine if additional testing or labeling is required

**PRICING AND ADDITIONAL NOTE:**

**\*Please refer to Kohl's preferred third party labs for individual pricing and sample size.**

**\*In addition to this protocol, any products designed for, intended for or appealing primarily to children, requires additional testing per Kohl's Testing Protocol # 601**

PROTOCOL VERSION	DESCRIPTION OF CHANGE	Revised By	Approved By
833-A	Initial Release	Cindy Ng Jan 29, 2018	Elizabeth Armstrong Jan 30, 2018
833-B	Added adult tracking label	Elizabeth Armstrong June 24, 2020	Elizabeth Armstrong June 24, 2020
833-C	Updated microwave safe standards from 4.5 to 3.0 min	Elizabeth Armstrong Aug 10, 2020	Elizabeth Armstrong Aug 10, 2020
833-D	Added PFAS supplement protocol requirements and removed tier 3	Elizabeth Armstrong March 2022	Elizabeth Armstrong March 2022
833-E	Updated BPA Free Label test line and BPA Content test line	Kevin Makocy October 2023	Kevin Makocy October 2023
833-F	Added test methods Total Lead and Total Cadmium (Adult & Children's)	Violet Nelson November 2023	Violet Nelson November 2023
833-G	Added Chemical Disclosure / Labeling in Cookware test line	Kevin Makocy December 2023	Kevin Makocy December 2023
833-H	Updated MN Law to include exemptions	Elizabeth Armstrong March 2024	Elizabeth Armstrong March 2024
833-I	Added new Food Contact Supplemental protocol (1800) requirements	Isaac Grossman September 2024	Isaac Grossman September 2024