PROTOCOL # 819.2-AA						
BAKEWARE-METAL						
Performance Test	Test Method	Samples	Test Principle/Requirements	Rating (Section or exec. Summary which failed items can be referenced)		
LABELING						
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)			
BPA Free Label	Visual Check	All Samples	Must be conspicuously labeled as "BPA Free"  Containers designed to be filled with food or liquid for children under the age of 3			
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:		
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  PHYSICAL CHARACTERISTICS	CA AB-1200 article 2 (mod) / CO HB-22 1345 sec. 25-15-604 (2)a-f (mod)/ Visual	All Samples	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:  1) List of chemicals is introduced by the phrase ""The product contains:""  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  3) Lab must verify that all disclosed chemicals are present on the Kohl's TRF  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  See example below:  This Product Contains: (Este producto contiene) Chemical 1, Chemical 2, Chemical 3, Chemical 3, Chemical 4, Chemical 1, Chemical 2, Chemical 5, Chemical 6, Chemical 1, Chemical 2, Chemical 5, Chemical 6, Chemical 1, Chemical 2, Chemical 5, Chemical 6, Chemical 6, Chemical 6, Chemical 6, Chemical 1, Chemical 1, Chemical 1, Chemical 2, Chemical 6, Chemical 6, Chemical 6, Chemical 7, Chemical 6, Chemical 6, Chemical 7, Chemical 7, Chemical 7, Chemical 6, Chemical 8,	
Capacity (fl. oz. / mL)	FPLA/ UPLR	3 Samples	As claimed/ measured (+3%/ -0%)	Claim: Actual:
Size	FPLA/ UPLR	3 Samples	As claimed/ measured (+3%/ -0%)	Claim: Actual:
Minimum Thickness For Aluminum Cookware	CMA Standards Clause 8.5 to 8.8	All Samples	The measured thickness shall meet the recommended minimum thickness.	
Flatness Of Pots & Pans Bottoms	CMA Standards Clause 6.4	All Samples	Shall have no convex bow in the bottom  ☐ The maximum concave bow allowed :-  ≤ 0.031" (0.8mm) for pots & pans < ☐10"  (254mm)  ☐ ≤0.046" (1.2mm) for pots & pans > ☐10"  (254mm)	
Handle Position On Cookware with Stick Handles	CMA Standards Clause 3.3.4	1 Sample	The handle shall have a minimum clearance of 1-3/16" (30mm) above the base	
Minimum Thickness For Stainless Steel Cookware	CMA Standards Clause 9.5 to 9.9	All Samples	The measured thickness shall meet the recommended minimum thickness.	
CONSTRUCTION & WORKMA	ANSHIP			
Kohl's Workmanship Review	Visual Check / Actual Use	1 Sample	All components shall be provided as claimed and shall not be deformed or fractured.  All hardware shall be provided All welds shall be smoothly finished and free from pits and splatter All components shall not contain any burrs or sharp edges (test by touch or sight)  Product shall not contain any loose components or unsecured fastening where rigidity is required	

ERFORMANCE					
Oven Safe (If Clamed)	Temperature	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,		
Thermal Conductivity (Dry)	Std.	1 Sample	deformation, or color change.  All points on cooking surface shall be within + 25°F (+ 14°C) when removed from heat		
, , ,	Measure CMA	•	, ,	source age rating of below defined	
*Thermal Shock Resistance (Applicable To Porcelain	Standards Clause 17.2.3	1 Sample		cycles Tier 1	Tier2
Enamel Finishes On Steel And Iron Only)	ASTM C 385	1 Sample	Multi-Coated	3 cycles	5 cycles
*Resistance To Corrosion (Applicable To Anodized Finishes On Aluminum	ASTM B117 1 Sample		salt spray (fog) wit	7 cycles elow defined hours in 1 % th no major visual change, g, or corrosion	10 cycles
Utensils Only)	(Mod.)		Tier 1 Tier 2	24 hours 48 hours	
*Thermal Shock Resistance (Applicable To Glass Cover Only)	CMA Standards Clause 6.3 ASTM C 149	1 Sample	Shall not have cr	racks, chips or faults that part to break or fractured.	
Dishwasher Safe	er Safe Kohl's TM 57 3 Sample		- no color chai	rgent below defined cycles nge or adverse effects. is not durably marked.	
(If Claimed)			Tier 1 Tier 2	5 cycles 10 cycles	
Effects of Handwashing Kohl's TM 32		3 Samples	No color change	and no adverse effects – etergent for below defined cycles	
(If Claimed)	·	•	Tier 1 Tier 2	5 cycles 10 cycles	
*Surface Durability (Applicable To Porcelain Enamel Finishes Only)	CMA Standards Ch. 16 & 17 ASTM C 283	Varies	Aluminum Cookware Acid solubility<15 mg/sq. inch Alkali resistance<15 mg/sq. inch Steel or Iron Cookware and Bakeware Acid solubility<14 mg (multi-coated) Acid solubility<50 mg (single-coated)		
Warping (Cookie Sheets, Muffin Sheets, etc)	Actual Use	1 Sample	temperature 400° above (1 F Tier 1	rping at below defined ° F (205° C) in oven test as Hour, Cool, Repeat) 350° F (177° C)	
Stain Resistance	Actual Use	1 Sample	Tier 2 400° F (205° C)  No objectionable stain after below timing placement:  - Ketchup, mustard & cooking oil  - Red wine, grape juice & coffee  Tier 1 1 hour  Tier 2 2 hours		
Cleanability	Visual Check	1 Sample	Bring tomato sauc to boil and let sin min. Avoid dry bo non-abrasive clean directed. Repeat below consecutive	nmer over low heat for 30 oil. Empty and clean with nser and scouring pad or as t the number of times as ely. There shall be no visual ge to the finish 3 times 4 times	
ERFORMANCE - HANDLE ASSE	MBLY AND FITTINGS				
Assembly Strength	CMA Standards	4.000	Shall support 8.8 lbs. (4kg) weight or below weight for 1 minute in cold & hot conditions without fracture  Tier 1  1.5 times volume capacity weight		
(Stick Handle / Single Handle Pans)	Clause 3.3.1	1 Sample			

ı	(IVIOU.)			3.13	
	•		Tier 2	2 times volume capacity weight	
			Shall support the I	pelow weight for 1 minute in	
Assemblies Strength	semblies Strength CMA		cold & hot conditions without fracture		
(Side Handle / Stick	Standards	1 Camarla	Tinu 4	1.5 times volume capacity	
Handles With Helper	Clause 3.3.2	1 Sample	Tier 1	weight	
Handles)	(Mod.)		Tion 2	2 times volume capacity	
			Tier 2	weight	
	CMA			orque of 40 inch without	
Torque Resistance	Standards			an below degree deflection	
(Applicable To Stick Handle	Clause 3.3.3	1 Sample		handle or fixing system.	
Pan Only)	(Mod.)		Tier 1	10 degrees	
			Tier 2	8 degrees	
Strength Test	CMA				
(Applicable To Plastic	Standards	1 Sample	The measured	flexural strength shall be	
Handle Only)	Clause 4.3	·	reported		
(Upon Request)	ASTM D 790				
Flame / Softening test	CMA Standards		The sample sh	iall withstand 1" Bunsen	
(Applicable To	Clause 4.4	1 Sample		oftening or becoming sticky	
Thermoplastics Only)	ASTM D 635		Januar Without S	or seconning strenty	
	CMA		Knob shall withsta	and 350 F for 1 hour or the	,
Knob Assemblies	Standards	1 Sample		use temperature without	
	Clause 3.3.8	•		ctional failure	
			_	ts fixing shall resist 15,000	
			cycles of lifting	and lowering under below	
			de	fined weight	
			Tier 1	1.5 times volume	
			Hel I	capacity weight	
			Tier 2	2 times volume	
	CMA			capacity weight	
Handle Fatigue Resistance	Standards	1 Sample		els of 12 quarts and larger	
	Clause 3.3.5		with welded, riveted or fixture side hand recognition of the pans intended use,		
	(Mod.)		_	•	
			1 '	1,000 cycles with a weight he weight of water to be	
			•	e pan loading the vessels.	
				handle or side of the pan	
				cracking or deformation of	
			the fi	nish is allowable	i .
Į.			The outerier one	mel shall resist a minimum	
Impact Resistance	EN 12983	1 Sample	Impact of 20N, s	nowing no damage greater	
Impact Resistance (Lid Knob/Handle)	EN 12983 Clause 8.1.4	1 Sample	Impact of 20N, s Than 2mm a	nowing no damage greater fter 25h when tested in	
		1 Sample	Impact of 20N, s Than 2mm a	nowing no damage greater	
(Lid Knob/Handle)	Clause 8.1.4	1 Sample	Impact of 20N, s Than 2mm a	nowing no damage greater fter 25h when tested in	
(Lid Knob/Handle)	Clause 8.1.4	1 Sample	Impact of 20N, s Than 2mm a Accord	nowing no damage greater iter 25h when tested in ance to ISO4532	
(Lid Knob/Handle)	Clause 8.1.4	1 Sample 1 Sample	Impact of 20N, s Than 2mm a Accord	nowing no damage greater fter 25h when tested in	
(Lid Knob/Handle) PERFORMANCE NON STICK COA	Clause 8.1.4  ATING  CMA	·	Impact of 20N, s Than 2mm a Accord The test time nee 1/2 square inch o	nowing no damage greater fee 25h when tested in ance to ISO4532 anded to exposure an area of	
(Lid Knob/Handle) PERFORMANCE NON STICK COA	Clause 8.1.4  ATING  CMA  Standards	·	Impact of 20N, s Than 2mm a Accord The test time nee 1/2 square inch o	nowing no damage greater iter 25h when tested in ance to ISO4532 anded to exposure an area of of substrate in the test area	
(Lid Knob/Handle)  PERFORMANCE NON STICK COA  *Abrasion Resistance Test	Clause 8.1.4  ATING  CMA  Standards  Clause 21.1.1	1 Sample	The test time need 1/2 square inch of shall	nowing no damage greater iter 25h when tested in ance to ISO4532 anded to exposure an area of of substrate in the test area	
(Lid Knob/Handle)  ERFORMANCE NON STICK COA	Clause 8.1.4  CMA Standards Clause 21.1.1  CMA Standards 2007 Version	·	The test time need 1/2 square inch of shall.	nowing no damage greater fiter 25h when tested in ance to ISO4532 and to exposure an area of of substrate in the test area I be reported.	
(Lid Knob/Handle)  PERFORMANCE NON STICK COA  *Abrasion Resistance Test	Clause 8.1.4  CMA Standards Clause 21.1.1  CMA Standards 2007 Version Clause 21.3	1 Sample	The test time need 1/2 square inch of shall.	nowing no damage greater fiter 25h when tested in ance to ISO4532  Ided to exposure an area of of substrate in the test area I be reported.	
(Lid Knob/Handle)  PERFORMANCE NON STICK COA  *Abrasion Resistance Test	Clause 8.1.4  CMA Standards Clause 21.1.1 CMA Standards 2007 Version Clause 21.3 CMA	1 Sample	The test time need 1/2 square inched shall.  The pressure need scratch lime.	rowing no damage greater iter 25h when tested in lance to ISO4532  Ided to exposure an area of of substrate in the test area I be reported.  Ided to remove   90% of the le shall be reported.	
(Lid Knob/Handle)  ERFORMANCE NON STICK COA  *Abrasion Resistance Test	Clause 8.1.4  CMA Standards Clause 21.1.1  CMA Standards 2007 Version Clause 21.3  CMA Standards	1 Sample	The test time need 1/2 square inch of shall.  The pressure need scratch lime 4-10.	rowing no damage greater fiter 25h when tested in lance to ISO4532  Ided to exposure an area of of substrate in the test area I be reported.  Ided to remove   90% of the le shall be reported.	
*Abrasion Resistance Test  *Scratch Resistance	Clause 8.1.4  CMA Standards Clause 21.1.1  CMA Standards 2007 Version Clause 21.3  CMA Standards CMA Standards Clause	1 Sample 1 Sample	The test time need 1/2 square inch of shall.  The pressure need scratch lime 4-10.	rowing no damage greater iter 25h when tested in lance to ISO4532  Ided to exposure an area of of substrate in the test area I be reported.  Ided to remove   90% of the le shall be reported.	
*Abrasion Resistance Test  *Scratch Resistance	Clause 8.1.4  CMA Standards Clause 21.1.1  CMA Standards 2007 Version Clause 21.3  CMA Standards CIAUSE 21.3  CMA Standards Clause 21.1.4.2	1 Sample 1 Sample	The test time need 1/2 square inch of shall.  The pressure need scratch lime 4-10.	rowing no damage greater fiter 25h when tested in lance to ISO4532  Ided to exposure an area of of substrate in the test area I be reported.  Ided to remove   90% of the le shall be reported.	
(Lid Knob/Handle)  ERFORMANCE NON STICK COA  *Abrasion Resistance Test  *Scratch Resistance	Clause 8.1.4  CMA Standards Clause 21.1.1  CMA Standards 2007 Version Clause 21.3  CMA Standards Clause 21.1  CMA CLause 21.1  CMA CLause CLause CMA	1 Sample 1 Sample	The test time need 1/2 square inch of shall.  The pressure need scratch line.	rowing no damage greater fiter 25h when tested in lance to ISO4532  Ided to exposure an area of of substrate in the test area I be reported.  Ided to remove   90% of the le shall be reported.	
*Abrasion Resistance Test  *Scratch Resistance	Clause 8.1.4  CMA Standards Clause 21.1.1  CMA Standards 2007 Version Clause 21.3  CMA Standards Clause 21.1.4  CMA Standards Clause 21.1.4.2  CMA Standards	1 Sample  1 Sample  1 Sample	The test time need 1/2 square inch of shall.  The pressure need scratch line.  4-10  5-1  Soak test: No color of adhesion of strate strate strate inches scratch of adhesion of shall.	rowing no damage greater feer 25h when tested in lance to ISO4532  Indeed to exposure an area of of substrate in the test area I be reported.  Indeed to remove   90% of the land the shall be reported.  Indeed to remove   90% of the land to remove   90% o	
*Abrasion Resistance Test  *Scratch Resistance  *Cold Slip Angle	Clause 8.1.4  CMA Standards Clause 21.1.1  CMA Standards 2007 Version Clause 21.3  CMA Standards Clause 21.1.4.2  CMA Standards Clause	1 Sample 1 Sample	The test time need 1/2 square inch of shall.  The pressure need scratch line.  4-10  5-1  Soak test: No color of adhesion of Resistance to salt.	rowing no damage greater fiter 25h when tested in lance to ISO4532  Indeed to exposure an area of of substrate in the test area I be reported.  Indeed to remove   90% of the land the shall be reported.  Indeed to remove   90% of the land the shall be reported.  Indeed to remove   90% of the land the shall be reported.	
*Abrasion Resistance Test  *Scratch Resistance  *Cold Slip Angle  *Resistance To Chemical	Clause 8.1.4  CMA Standards Clause 21.1.1  CMA Standards 2007 Version Clause 21.3  CMA Standards Clause 21.1.4.2  CMA Standards Clause 21.1.4.2  CMA Standards Clause 21.1.5.1	1 Sample  1 Sample  1 Sample	The test time need 1/2 square inch of shall.  The pressure need scratch line.  4-10  5-1  Soak test: No color of adhesion of Resistance to salt.	rowing no damage greater feer 25h when tested in lance to ISO4532  Indeed to exposure an area of of substrate in the test area I be reported.  Indeed to remove   90% of the land the shall be reported.  Indeed to remove   90% of the land to remove   90% o	
*Abrasion Resistance Test  *Scratch Resistance  *Cold Slip Angle  *Resistance To Chemical	Clause 8.1.4  CMA Standards Clause 21.1.1  CMA Standards 2007 Version Clause 21.3  CMA Standards Clause 21.1.4.2  CMA Standards Clause 21.1.5.1 & 21.1.5.2	1 Sample  1 Sample  1 Sample	The test time need 1/2 square inches scratch lire.  The pressure need scratch lire.  4-10 5-1  Soak test: No color of adhesion on Resistance to salt area of	rowing no damage greater iter 25h when tested in lance to ISO4532  Ided to exposure an area of of substrate in the test area I be reported.  Ided to remove   90% of the le shall be reported.	
*Abrasion Resistance Test  *Scratch Resistance  *Cold Slip Angle  *Resistance To Chemical	Clause 8.1.4  CMA Standards Clause 21.1.1  CMA Standards 2007 Version Clause 21.3  CMA Standards Clause 21.1.4.2  CMA Standards Clause 21.1.4.2  CMA Standards Clause 21.1.5.1	1 Sample  1 Sample  1 Sample	The test time need 1/2 square inch of shall.  The pressure need scratch line.  4-10. 5-1.  Soak test: No color of adhesion of Resistance to salt area of the shall be no	rowing no damage greater fiter 25h when tested in lance to ISO4532  Indeed to exposure an area of of substrate in the test area I be reported.  Indeed to remove   90% of the land the shall be reported.  Indeed to remove   90% of the land the shall be reported.  Indeed to remove   90% of the land the shall be reported.	

*Adhesion Resistance To Burnt Milk	CMA Standards Clause 21.2.2	1 Sample	material after ev	complete removal of film aporating and carbonizing 1 nilk to a brown film.	
*Barbeque Chicken Roasting Test	CMA Standards Clause 21.3.1	1 Sample	Release property:  Meat can be easily removed from pan Staining property: None or slight Cleaning: Easy to clean Durability No visible damage or coating removal		
*Baked Goods Release Test	CMA Standards Clause 21.3.2	1 Sample	The rating of the baked goods release shall be reported  At least below percentage of the baked good must be released cleanly from the coating  Tier 1 75%		
WITH PLASTIC LIDS			Tier 2	90%	
Dishwasher Safe (If Claimed)	Kohl's TM 57	3 Samples	- no color ch	ergent below defined cycles ange or adverse effects. el is not durably marked.  5 cycles 10 cycles	
Effects of Handwashing (If Claimed)	Kohl's TM 32	3 Samples	No color chang	ee and no adverse effects – detergent for below defined cycles 5 cycles 10 cycles	
Lid Fitting	Actual Use	All Samples	-	e – 100 cycles on/ off	
ANALYTICAL		•			
*Lead In Scrapable Surface Coating	ASTM E1613/E1645	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	Shall not contain any detectable level of Bisphenol A  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.		
* CA Prop 65	Refer to Protocol 1300	All Samples	All samples shall be reviewed against the requirements of California Proposition 65 to determine if additional testing or labeling is required		
*Leachable Lead And Cadmium On Food Contact Surface (FDA) (If Applicable)	AOAC 973.32 ASTM C738	6 Samples	Pb:   1.0 ppm (large hollowware)  2.0 ppm (small hollowware)  0.5 ppm (cups / mugs / pitchers)  3.0 ppm (flatware)  Cd:   0.25 ppm (large hollowware)  0.5 ppm (small hollowware)  0.5 ppm (flatware)		
*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		

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Total Lead	Metal: CPSC-CH- E1001-08.3 Non Metal: CPSC-CH-	1 Sample	90ppm Minnesota 325E.3892 (HF 2310)  Products preempted by federal & state law (e.g., CPSC, FDA, etc) are exempt from testing.'	
	E1002-08.3 Surface Coating: CPSC- CH-E1003-09.1	r -	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.'	
Refer to protocol Hardlines Regulatory Supplement for additional State & Federal Regulations	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	
STAINLESS STEEL (IF CLAIMED	& FOOD CONTACT ONLY )			
Claimed Chromium Content <	16%			
* Stainless Steel Composition (Applicable To Food Contact Surfaces Only)	Acid Digestion / ICP / ASTM E1019	1 Sample	Stainless steel composition (Carbon, Manganese, Phosphorus, Sulfur, Silicon, Chromium, Nickel, Nitrogen, Molybdenum) test is to be conducted.	
* Stainless Steel - Resistance To Corrosion (Applicable if result of composition test does not meet the claimed specification)	ASTM B117 (Mod.)	1 Sample	Shall withstand 48 Hours in 1% Salt Spray (Fog) with no major visual change, pitting or corrosion.	
Claimed Chromium Content ≥	16%			
*FDA – GRAS Stainless Steel (Applicable To Food Contact Surfaces Only)	Acid Digestion / ICP / ASTM E1019	1 Sample	Shall meet Stainless Steel Claim (Chromium and Nickel content) AND Minimum of 16% Chromium to be considered FDA GRAS.	
*GRAS evaluation	FDA Generally Recognized as Safe (GRAS) Guidelines/FDA Opinion / ASTM E1086- 14 / ASTM E415-17 / CPSD-GB00003-MTHD	1 Sample	Metal intended to come into contact with food shall meet FDA GRAS requirement.  Metal composition is conducted and evaluated if it is GRAS.  Must meet 16% Chromium, if not conduct stainless steel - resistance to corrosion testing	
Stainless Steel – Resistance	CPSD-AN00295-MTHD			
to Corrosion (Applicable if product does not comply GRAS test)	ASTM B117 (Mod.)	1 Sample	Shall withstand 48 Hours in 1% Salt Spray (Fog) with no major visual change, pitting or corrosion Modification = % of salt spray	
OTHER METAL (FOOD CONTAC	T ONLY )			
* Leachable lead (Applicable to food contact metal only)	ASTM C738 / AOAC methods 973.32 and 973.82	1 Sample	With reference to CPG Sec. 545.500 (CPG 7117.05)  Lead: ≤ 7.0 μg/mL, average of 6 units (product intended for adult) ≤ 0.5 μg/mL, all 6 units (product intended for infants and children)	
s Testing Protocol # 601	erred third party labs fo I, any products designed	d for, intended for	or appealing primarily to children, requires add	
PROTOCOL VERSION	DESC	CRIPTION OF CHAI	NGE Revised By	Approved By

819-0	Initial Release	Simon Leung Oct. 31, 2008	Ro Jain Oct. 31, 2008
819-A	Changed protocol number from 819-0 to 819-A. Changed lead in surface coating to 90ppm from 600ppm, price adjustment	Elizabeth Armstrong April 1, 2010	Ro Jain April 1, 2010
819-B	Added BPA Testing	Elizabeth Armstrong November 11, 2010	Ro Jain November 11, 2010
819.2-C	1. Added Oven Safe Test. 2. Added Thermal Conductivity (Dry) Test. 3. Added Effects of Handwashing Test. 4. Added Temperature of Grip Test. 5. Added Stain Resistance Test. 6. Added Cleanability Test. 7. Added Impact Resistance (Lid Knob/Handle) Test 8. Updated the Test Method for Lead in Surface Coating. 9. Added PTFE Identification and PFOA Migration Tests 10. Price Adjustment	Elaine Smaczniak Sep 18, 2012	Ro Jain Oct 4, 2012
819.2-D	FDA – GRAS Stainless Steel Test, Handle Fatigue Resistance & Dry Boil Test Updated.	John Wong Dec 21, 2012	Rufus Moberly Jan 29, 2013
819.2-E	Separate the test line of Prop 65 to supplementary protocol Updated CMA Tests.  FDA – GRAS Stainless Steel Test Updated Added Corrosion Test.	John Wong Jul 18, 2013	Rufus Moberly Jul 23, 2013
819.2-F	Differentiate the performance rating to Tier 1/Tier 2/Tier 3 Updated the package price & working days	Jeetendra Shelatkar Oct 4, 2013	Ro Jain Dec 16, 2013
819.2-G	Updated lead content and resistance to corrosion tests pricing	Candy Chan Jul 30, 2014	Jeetendra Shelatkar Aug. 4, 2014
819.2-H	Renamed in-house test methods	Birkoff Chen Sep 4, 2014	Elaine Smaczniak October 30, 2014
819.2-I	Updated BPA testing to test all accessible components if BPA Free is claimed	Elizabeth Armstrong July 30, 2015	Elizabeth Armstrong July 30, 2015
819.2-J	Added Leachable Lead for Other Metals (Food Contact Only) Updated the test method of Dishwasher safe to Kohl's TM 57, the test clauses of Non-stick bakeware Coating tests, and Toxicology (Plastics and polymeric coating) and BPA Content	Gigi Au May 23, 2016	Elizabeth Armstrong May 23, 2016
819.2-K	Updated Barbeque Chicken Roasting Testing to be modified	Elizabeth Armstrong Aug 5, 2016	Elizabeth Armstrong Aug 5, 2016
819.2-L	Removed dry boil & Temperature of Grip While Boiling Water	Elizabeth Armstrong Oct 31, 2016	Elizabeth Armstrong Oct 31, 2016
819.2-M	Updated GRAS evaluation	Teana Robinette Sept 25, 2018	Teana Robinette Sept 25, 2018
819.2-N	Updated GRAS Evaluation for s/s composition	Elizabeth Armstrong Jan 11, 2019	Elizabeth Armstrong Jan 11, 2019
819.2-0	Added Pots to flatness of bottom	Elizabeth Armstrong March 11, 2020	Elizabeth Armstrong March 11, 2020
819.2-P	Added Pots to the requirement of bottom flatness	Elizabeth Armstrong March 25, 2020	Elizabeth Armstrong March 25, 2020
819.2-Q	Added adult tracking label	Elizabeth Armstrong June 24, 2020	Elizabeth Armstrong June 24, 2020

		Elizabeth	Elizabeth	
819.2-R	Added Resistance To Scratching on Cooking Surfaces	Armstrong	Armstrong	
		July 23, 2020	July 23, 2020	
819.2-S	REmoved resistance to scratching on cooking surfaces	Elizabeth Armstrong March	Elizabeth Armstrong	
815.2-5	Removed resistance to scratching on cooking surfaces	2021	March 2021	
819.2-T	Added PFAS and updated tiering	Jackie Deppisch March 2022	Jackie Deppisch March	
813.2-1	Added FTAS and dpdated tiering	Jackie Deppisch March 2022	2022	
	Removed *PTFE Identification			
	(Non-Stick Coating)	Elizabeth Armstrong June 2022		
819.2-U	*Specific Migration of			
	PFOA			
	(Non-Stick Coating)			
819.2-V	Updated BPA Free Label test line and BPA Content test line	Violet Nelson / Oct. 2023		
810.2.14	Added test methods Total Lead and Total Cadmium (Adults &	Walst Nalssa	/ Nav. 2022	
819.2-W	Childrens)	Violet Nelson / Nov. 2023		
819.2-X	1) Added Chemical Disclosure / Labeling in Cookware test line	Violet Nelson / Dec 2023		
819.2-Y	Updated MN Law to include exemptions	Elizabeth Armstrong / March 2024		
	1) Added new Food Contact Supplemental protocol (1800)			
819.2-Z	requirements	Jackie Depisch / September 2024		
	Updated 1800 Hardlines Regulatory Supplement for additional			
819.2-AA	State & Federal Regulations	Isaac Grossma	n/Feb 2025	