

REPORT

Technical Report: (5105)234-0179

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Technical Report: (5105)234-0179
Date Received: August 22, 2005

September 02, 2005
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RICHARD HO
ZHEN HUA TRADING LTD
ROOM 2003, 20/F., CC WU BLDG
302-308 HENNESEY ROAD
WAN CHAI
HONG KONG

Sample Description:	KINGSFORD MATCH LIGHT CHARCOAL	BBQ MASTER INSTANT LIGHT CHARCOAL
Vendor:	NL	NL
Manufacturer:	Kingsford Products Co.	Zhen Hua International Industries Limited
Country of Origin:	USA	China
Sample Size:	1	1
Style No(s).:	M341350221809	NL
PO No.:	NL	NL
Emulsion No.:	NA	NA
Expiration Date:	NA	NA
UPC Code:	4460071114	835018000595

EXECUTIVE SUMMARY:

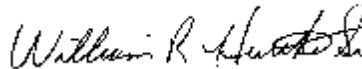
At the request of the client, submitted samples were evaluated per Bureau Veritas Consumer Products Services, Inc. test specification MC-4352-US, Charcoal Briquets, minus all Labeling Sections.

The sample(s) Meets the requirements of Bureau Veritas Consumer Products Services, Inc. test specification MC-4352-US, Charcoal Briquets, and compares in all areas tested to the Kingsford product.

At the request of the client, the BBQ Master Instant Light Charcoal was not evaluated for the Labeling Section of MC-4352-US.

Note: All data minus analytical (percent volatile, percent moisture, percent ash) results was transferred from report 5105-094-0123

Bureau Veritas
Consumer Products Services, Inc.



William R. Hartke, Sr.
Associate Product Test Engineer,
Hardlines Department

/LMT



**BUREAU
VERITAS**

BV Lab Number: 5105-234-0179
 Technician Name: Scott
 Test Date: 9/1/05
 Reviewed By/Date: BH 9/2/05

BUREAU VERITAS TEST PROTOCOL FOR
MC-4352-US
Charcoal Briquets

Evaluation	Citation/Method	No. Samples	Criteria	Kingsford Instant	BBQ Master Instant	Rating
SUPPLEMENTAL PROTOCOLS						
*CA Prop 65 Upon Request	Applicable Section from Protocol MC-6572-US	1	The sample shall be reviewed against the requirements of California Proposition 65 to determine if additional testing or labeling is required.	NA	NA	-
LABELING						
**Fair Packaging and Labeling Act	F.P. & L. Act (16 CFR 500)	1	Manufacturer, packer, or distributor's name & address (City, state & zip)	Kingsford Manufacturing Co. Oakland, CA 94612	NT – Per clients request	NT
			Product identification	Match Light Charcoal	NT	NT
			Net quantity of contents shall be expressed in terms of weight or mass, measure, numerical count, or combination so as to give accurate information to facilitate consumer comparison (U.S. and Metric units).	Meets	NT	NT
**Country of Origin Marking	19 CFR 134.11	1	Shall indicate country of origin legibly, permanently, and in comparable size and close proximity to any mention of country other than country in which the article was manufactured or produced. Must be visible at point of purchase.	USA	NT	NT
Warnings	16 CFR 1500	1	Must have pictogram warning with text: "CARBON MONOXIDE HAZARD" Burning charcoal inside can kill you. It gives off carbon monoxide, which has no odor. NEVER burn charcoal inside homes, vehicles or tents.	Meets	NT	NT
Use Labeling	Visual	1	Use / care instructions that are clear and understandable shall be provided in language appropriate to destination countries.	Meets	NT	NT
Verify Label claims	Visual / H-1058	1	Must comply with all claims	Meets	NT	NT
PACKAGING						
Seal (Sewn / Glued)	Visual	1	Sewing / Glue shall be complete and secure. No excess threads, tape, or glue.	Meets	Meets	M
Date Code / Lot Number	Visual	1	Shall indicate a coded system for traceable lots.	No date code	Meets	M



**BUREAU
VERITAS**

BV Lab Number: 5105-234-0179
 Technician Name: Scott

**MC-4352-US
Charcoal Briquets**

Evaluation	Citation/Method	No. Samples	Criteria	Kingsford Instant	BBQ Master Instant	Rating
PHYSICAL CHARACTERISTICS						
Percent Volatile (%)	ASTM D1762-84 (R2001) / Standard Test Method for Chemical Analysis of Wood Charcoal	1	Before / After dry carbon weight comparison.	67.8%	64.3%	-
Percent Moisture (%)	ASTM D1762-84 (R2001)	1	Before / After weight comparison.	7.6%	6.4%	-
Percent Ash (%)	ASTM D1762-84 (R2001)	1	Before / After weight comparison.	19.2%	19.4%	-
Average Weight per Briquette (Oz.)	H-1056	1	Report average weight per briquette.	29.1 g	34.3 g	-
Dimensions / Surface Area (L x W) (In.)	H-1056	1	Length / Width shall agree with label claims. Briquets shall exhibit uniform size.	3.65 sq in	3.39 sq in	-
Thickness (mm)	H-1056	1	Thickness shall agree with label claims. Briquets shall exhibit uniform size.	1.05 in	1.13in	-
CONSTRUCTION & WORKMANSHIP						
Quality of Fresh Briquets	H-1057	1	Describe: Color, shine, uniformity of surface, wood dust, if present.	Meets	Meets	M
Defects of Fresh Briquets	H-1057	1	Shall be no cracks, visible wood, missing chunks, pits, and foreign material.	Meets	Meets	M
Odor of Fresh Briquets	H-1057	1	No strong odor.	Meets	Meets	M
PERFORMANCE						
Functionality	H-1058	All	Shall function as intended. Report details of evaluation (Materials used / features tested / consumables / method / etc.)	Meets See Below	Meets See Below	M



BUREAU
VERITAS

BV Lab Number: 5105-234-0179
Technician Name: Scott

MC-4352-US
Charcoal Briquets

Evaluation	Citation/Method	No. Samples	Criteria	Kingsford Instant	BBQ Master Instant	Rating
Ease of Ignition	Pour 90mL of lighter fluid over 2 Lbs. of charcoal in a Weber 14" diameter charcoal grill with the room temperature between 75 °F - 80 °F. Wait 1 min. then ignite charcoal. (For self starter briquets, do not use lighter fluid)	1	Shall ignite using 1 to 3 matches.	Meets	Meets	M
Ash over	Visual	1	Report time to 100% ash over in 5 min. intervals.	5 min – 10% 10 min – 89% 15 min – 100% 20 min – 100%	5 min – 0 % 10 min – 72 % 15 min – 84 % 20 min – 100 %	-
Time Above 400°F	Burn Test (Data Acquisition Unit) / Heat Temperature Probe	1	Time above 400°.	74 minutes See attached graph	82 minutes See attached graph	-
Smoke Generation	Visual	1	Shall be no excessive smoke.	Meets	Meets	M

Key:

* Additional Charge For This Test ** Mandatory Requirement

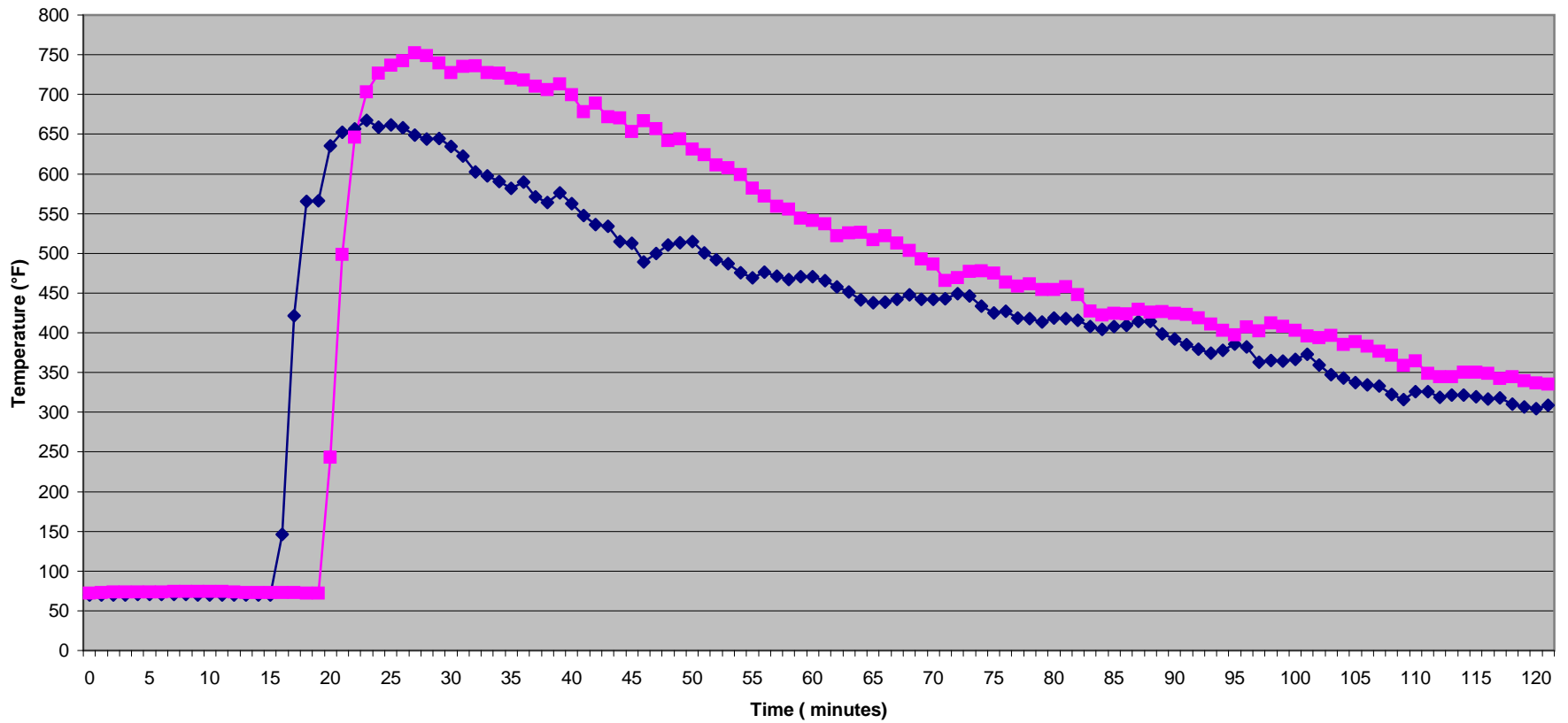
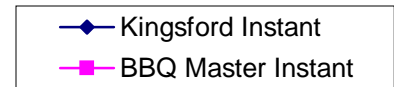
Results Key:

M	Meets	NM	Does Not Meet
NA	Not Applicable	NT	Not Tested
C	Claimed	R	Recorded

No. Of Samples Required For Complete Testing:	1
No. Of (Fully Packed) Cartons For Transit Testing:	1
No. Of Working Days For Complete Testing:	10

Creation Date: June 25, 2001
Editorial Revision Date: February 15, 2005
Pricing Review Date:
Technical Review Date:

Temperature Vs. Time - Instant Charcoal



Sudden rise in temperature indicates 100% ashover of briquets