

Test Report

Report No.: GNBC24022715-04EN

Issue Date: Mar. 01, 2024

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The following information was/were submitted and identified by/on behalf of the client:

Applicant : MID OCEAN BRANDS B.V.
Address : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.
Sample Name : LIP BALM
Sample Model : MO9373, MO9407, MO9374
Sample Material : Plating, ABS
Sample Receive Date : Feb. 27, 2024
Sample Testing Period : Feb. 27, 2024 - Feb. 29, 2024
Test Result Summary:

As requested by the applicant, for details refer to attached page(s).

TEST ITEM(S)	TEST REQUESTED	CONCLUSION(S)
Heavy Metals - Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr VI) content	Directive 94/62/EC of the European Parliament and its amending Directive 2005/20/EC	PASS

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Authorized signature:



Lab Manager: Gavin Zhou



Mar. 01, 2024

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Test Result(s):
Test Sample Description:

Material No.	Material Description
<u>01</u>	Blue plating
<u>02</u>	Golden plating
<u>03</u>	Rose golden plating
<u>04</u>	Silvery plating
<u>05</u>	White plastic substrate material
<u>06</u>	White plastic substrate material
<u>07</u>	Blue plating
<u>08</u>	Golden plating
<u>09</u>	Rose golden plating
<u>10</u>	Silvery plating
<u>11</u>	White plastic substrate material
<u>12</u>	White plastic
<u>13</u>	White plastic substrate material
<u>14</u>	Blue plating
<u>15</u>	Golden plating
<u>16</u>	Rose golden plating
<u>17</u>	Silvery plating
<u>18</u>	White plastic substrate material
<u>19</u>	White plastic substrate material

Heavy Metals - Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr VI) content

Test Method: Lead(Pb), Cadmium(Cd) – IEC 62321-5:2013, Acid digestion and determined by ICP-OES
 Mercury(Hg) – IEC 62321-4:2013/AMD1:2017, Acid digestion and determined by ICP-OES
 Cr(VI) – IEC 62321-7-1:2015, Boiling water extraction and determined colorimetrically by UV-vis
 & IEC 62321-7-2:2017, Solution extraction and determined colorimetrically by UV-vis

Test Items	Unit	RL	Limit	Result(s)		
				<u>01+02+03</u>	<u>04+07+08</u>	<u>05+06+11</u>
Lead (Pb)	mg/kg	10	--	N.D.	N.D.	N.D.
Cadmium (Cd)	mg/kg	10	--	N.D.	N.D.	N.D.
Mercury (Hg)	mg/kg	10	--	N.D.	N.D.	N.D.
Hexavalent Chromium(Cr VI)	mg/kg	50	--	N.D.	N.D.	N.D.

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<u>Test Items</u>	<u>Unit</u>	<u>RL</u>	<u>Limit</u>	<u>Result(s)</u>		
				<u>01+02+03</u>	<u>04+07+08</u>	<u>05+06+11</u>
Sum of Pb, Cd, Hg and Cr VI	mg/kg	--	100	N.D.	N.D.	N.D.
<u>Conclusion(s)</u>				PASS	PASS	PASS

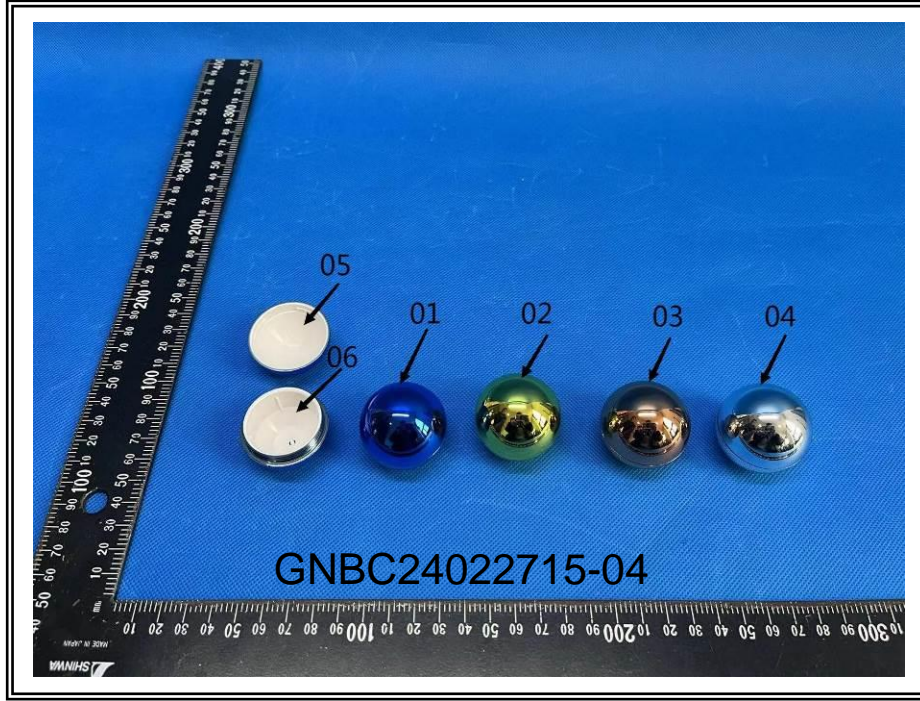
<u>Test Items</u>	<u>Unit</u>	<u>RL</u>	<u>Limit</u>	<u>Result(s)</u>	
				<u>09+10+14</u>	<u>12+13</u>
Lead (Pb)	mg/kg	10	--	N.D.	N.D.
Cadmium (Cd)	mg/kg	10	--	N.D.	N.D.
Mercury (Hg)	mg/kg	10	--	N.D.	N.D.
Hexavalent Chromium(Cr VI)	mg/kg	50	--	N.D.	N.D.
Sum of Pb, Cd, Hg and Cr VI	mg/kg	--	100	N.D.	N.D.
<u>Conclusion(s)</u>				PASS	PASS

<u>Test Items</u>	<u>Unit</u>	<u>RL</u>	<u>Limit</u>	<u>Result(s)</u>	
				<u>15+16+17</u>	<u>18+19</u>
Lead (Pb)	mg/kg	10	--	N.D.	N.D.
Cadmium (Cd)	mg/kg	10	--	N.D.	N.D.
Mercury (Hg)	mg/kg	10	--	N.D.	N.D.
Hexavalent Chromium(Cr VI)	mg/kg	50	--	N.D.	N.D.
Sum of Pb, Cd, Hg and Cr VI	mg/kg	--	100	N.D.	N.D.
<u>Conclusion(s)</u>				PASS	PASS

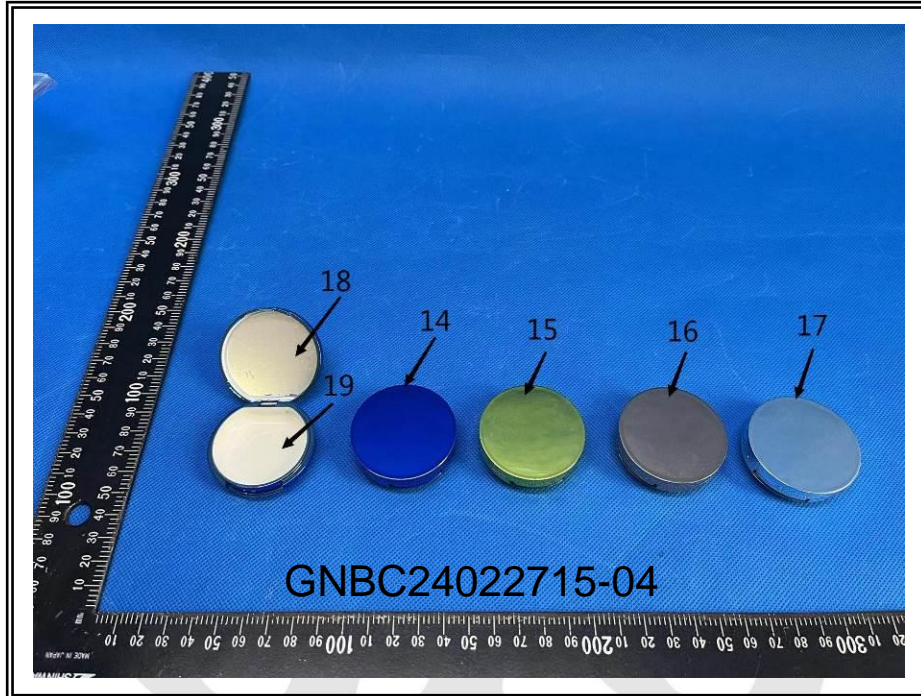
- Note:**
- 1000mg/kg = 0.1%;
 - RL = Reporting Limit;
 - N.D. = Not Detected (<RL);
 - For sample(s) 01+02+03, 04+07+08, 05+06+11, 09+10+14, 12+13, 15+16+17 and 18+19, composite test has been performed as per client's request and the test result is the overall result.

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Sample Photo(s):



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GIG authenticate the photo(s) on original report only

End of Report

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