



**CHURCH & DWIGHT CO., INC.**

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500 Charles Ewing Boulevard  
Ewing, New Jersey 08628

(800) 221-0453  
[www.ahperformance.com](http://www.ahperformance.com)

February 1, 2023

**Re: Church & Dwight Co., Inc. Arm & Hammer™ Sodium Bicarbonate, CMR Statement**

To determine compliance of Arm & Hammer Sodium Bicarbonate with regard to CMR substances classified in Annex II of EU cosmetic directive 76/768/EEC as amended or in annex II of EU regulation 1223/2009 or substances classified CMR according to annex VI of regulation 1272/2008, please review the appended Elemental Impurities statement.

None of these materials that may be present are intentional additives, but rather technically unavoidable under good manufacturing practice.

The manufacture of Arm & Hammer Sodium Bicarbonate uses 3 raw materials, sodium carbonate, water and carbon dioxide. The sodium carbonate is neutralized to form sodium bicarbonate, but a small amount (<0.23%) of sodium carbonate may remain after processing.

Feel free to contact me with any questions.

Regards,

Robert G. Berube  
Manager, Technical Service  
609 806 1965  
[robert.berube@churchdwright.com](mailto:robert.berube@churchdwright.com)

<b>Supplier Name:</b> <b>Church &amp; Dwight Co., Inc.</b>	<b>Supplier Phone Number:</b> <b>800 221 0453</b>
<b>Supplier Address (HQ):</b> <b>469 N. Harrison Street, Princeton, NJ 08543</b>	<b>Supplier Email Address:</b> <a href="mailto:Performance.customerservice@churchdwight.com">Performance.customerservice@churchdwight.com</a>
<b>Data applies to both manufacturing locations:</b> <b>Green River, WY and Old Fort, OH</b>	<b>Date Form Filled Out:</b> <b>June 3, 2022</b>

**Please complete a separate form for each material**

Material Name Arm & Hammer™ Sodium Bicarbonate

Source/Type of Excipient:  Mineral  Mineral derived  Plant  Plant derived  Synthetic  Fermentation derived

Other (explain): \_\_\_\_\_

Elemental Impurity		Class	Likely to be Present			If Known, Please Identify the Expected Concentration /Units (or Range)	Analytical Method Used (and Limit of Detection if Available)	Comments regarding source of information (i.e.; frequency of testing, process understanding, etc.)
			Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>			
Arsenic (inorganic)	As	1	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP OES 0.1 ppm	Impurity Profile (2021)
Cadmium	Cd	1	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP OES 0.02 ppm	Impurity Profile (2021)
Mercury (inorganic)	Hg	1	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP OES 0.04 ppm	Impurity Profile (2021)
Lead	Pb	1	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP OES 0.1 ppm	Impurity Profile (2021)
Cobalt	Co	2A	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP OES 0.03 ppm	Impurity Profile (2021)
Nickel	Ni	2A	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP OES 0.03 ppm	Impurity Profile (2021)
Vanadium	V	2A	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Unknown <input type="checkbox"/>	0.05 ppm	ICP OES 0.04 ppm	Impurity Profile (2021)
Silver	Ag	2B	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP OES 0.03 ppm	Impurity Profile (2021)

Elemental Impurity		Class	Likely to be Present			If Known, Please Identify the Expected Concentration /Units (or Range)	Analytical Method Used (and Limit of Detection if Available)	Comments regarding source of information (i.e.; frequency of testing, process understanding, etc.)
			Yes <input type="checkbox"/>	No <input type="checkbox"/>	Unknown <input type="checkbox"/>			
Gold	Au	2B	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Unknown <input checked="" type="checkbox"/>			Element not used in process.
Iridium	Ir	2B	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP OES 1 ppm	Impurity Profile (2015) Element not used in process.
Osmium	Os	2B	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP OES 1 ppm	Impurity Profile (2015) Element not used in process.
Palladium	Pd	2B	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP OES 1 ppm	Impurity Profile (2015) Element not used in process.
Platinum	Pt	2B	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP OES 1 ppm	Impurity Profile (2015) Element not used in process.
Rhodium	Rh	2B	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP OES 1 ppm	Impurity Profile (2015) Element not used in process.
Ruthenium	Ru	2B	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP OES 1 ppm	Impurity Profile (2015) Element not used in process.
Selenium	Se	2B	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP OES 0.2 ppm	Impurity Profile (2021)
Thallium	Tl	2B	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Unknown <input checked="" type="checkbox"/>			Element not used in process.
Barium	Ba	3	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Unknown <input type="checkbox"/>	0.68 ppm	ICP OES 0.02 ppm	Impurity Profile (2021)
Chromium	Cr	3	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP OES 0.04 ppm	Impurity Profile (2021)
Copper	Cu	3	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Unknown <input type="checkbox"/>	0.04 ppm	ICP OES 0.03 ppm	Impurity Profile (2021)
Lithium	Li	3	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Unknown <input type="checkbox"/>	11 ppm	ICP OES 2 ppm	Impurity Profile (2021)
Molybdenum	Mo	3	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Unknown <input type="checkbox"/>	0.09 ppm	ICP OES 0.02 ppm	Impurity Profile (2021)

Elemental Impurity		Class	Likely to be Present			If Known, Please Identify the Expected Concentration /Units (or Range)	Analytical Method Used (and Limit of Detection if Available)	Comments regarding source of information (i.e.; frequency of testing, process understanding, etc.)
			Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>			
Antimony	Sb	3	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP OES 0.1 ppm	Impurity Profile (2021)
Tin	Sn	3	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Unknown <input type="checkbox"/>		ICP OES 0.1 ppm	Impurity Profile (2021)

Reference: ICH Q3D Guideline for Elemental Impurities, Step 4 version, September 2014



Robert G. Berube  
 Technical Service Manager  
 Church & Dwight Co., Inc.