



CERTIFICATE OF ANALYSIS
WITCH HAZEL DISTILLED BPC

Batch No: 4517506
Manufacturing Date: Sept 2023
Best Before End: Sept 2026

Description: A clear, colourless distillate prepared from recently cut and partially dries dormant twigs of *Hammamelis virginiana L.*
Odour: Characteristic Witch Hazel free from Acetous odour

TEST	SPECIFICATION	ANALYSIS
Clarity	0 – 0.25 NTU	0.13
pH @ 25 Deg.C	3.0 – 5.0	3.19
Specific Gravity @ 25 Deg.C	0.979 – 0.983	0.981
Specific Gravity @ 20 Deg.C	0.976 – 0.982	0.98
Total Non-Volatile Residue	Less than 25 mg/100mL	1.5mg/100ml
Acetone, other ketones, IPA, & t-Butanol	Negative	Negative
Formaldehyde	Negative	Negative
Limit of Tannins	Less than 0.03 mg/mL	<0.01
% Alcohol C ₂ H ₅ OH by Volume	14.0 – 15.0%	14.3
Yeast & Mould Plate Count	<10 CFL/mL	Pass
Gram Neg./ Gram Pos. Bact. Plate Count	Max of 1 CFU/mL	Pass
Acidity / Alkalinity	Neutral or slightly acidic	Pass

The above material meets the requirements of the BPC/ NF/ USP

This COA is produced electronically therefore no signature is required.



Document Date: JANUARY 2021

ALLERGENS STATEMENT

Witch Hazel 14% Alcohol has been analysed by Gas Chromatography; this method identifies any of the Allergens listed in European Cosmetic Directive 76/768/EEC at 1ppm. Of the batches tested, none were found to contain >1mg/L of any of the compounds listed.



Distilled Witch Hazel Compliance Statement

We hereby confirm that Distilled Witch Hazel is a natural botanical extract manufactured through a proprietary distillation process. The product is free from Phthalates and protamines. We can also confirm the absence of nanomaterials and 1,4 Dioxane. Palm oil is absent and is not used in any part of the production process. Witch Hazel has been independently tested to USP guidelines for elemental impurities, no detectable impurities have been found.

The product has never been tested on animals and no animal parts are used at any stage of the production. It is also BSE/TSE free and is acceptable for vegetarian and vegan use.

Witch Hazel is free of any restrictions imposed by CITES

The product is free from any materials classified as CMR's and the product meets the requirements of the 7th amendment 76-768-EEC and is EU 1223/2009 compliant.

Hamamelis Virginiana is exempt from the requirements of REACH as a natural material. Alcohol/Ethanol has been registered under the auspices of the H&SE within the scope of REACH (see separate statement). It has been entered on the Cosmetic Product Notification Portal.

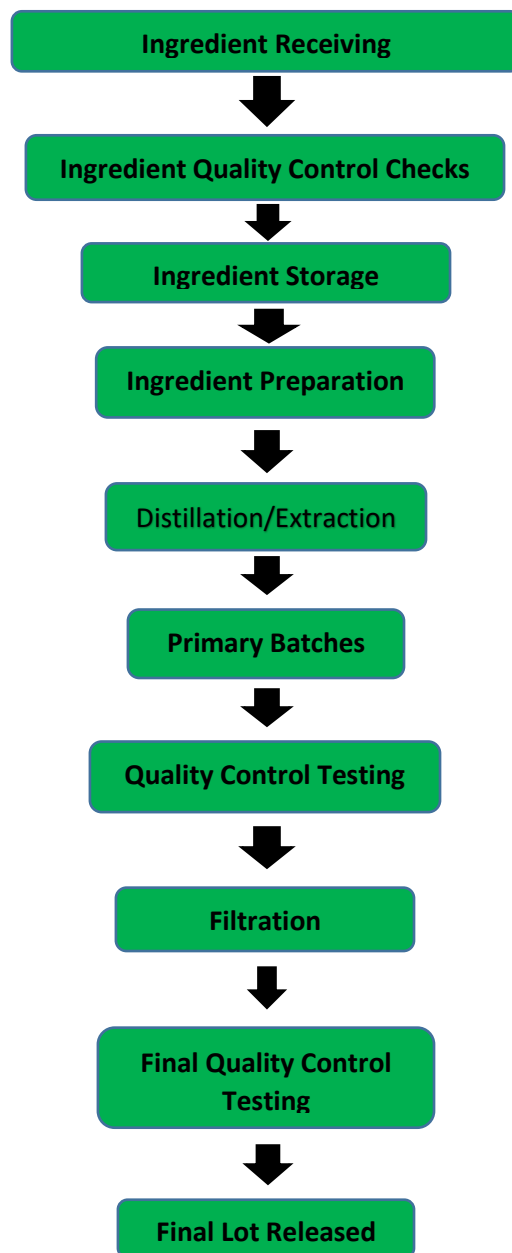
Our supplier holds a perpetual certificate from the State of Connecticut evidencing compliance with cGMP and compliance with CT State law regarding drug manufacture and free sale.

The product is IECIC & MEP compliant for the USA, Canada & China. Additionally it is ASEAN compliant for Japan and South Korea.

Hamamelis Virginiana grows largely in woodland areas of New England USA. The areas of growth are certified as organic by Oregon Tilthe. This certification means there are no known or suspected sources of contamination in the land and surrounding areas. That includes pesticides, fertilisers, herbicides, fungicides and insecticides and none of these materials can affect the harvest. Witch Hazel contains no GMO's.

The product is not manufactured using solvents or any materials that contain metal catalysts and metal reagents nor does it come into contact with any in manufacturing, packing, storing or shipping. Hence it is free of residual solvents, metal catalysts and metal reagents, it is gluten free and free of nuts. It is also free of Poly Aromatic Hydrocarbons and Benzopyrene.

Product Name	Witch Hazel Distilled BPC
Date	19 Jan 2019



01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier					
Product Name		Distilled Witch Hazel BPC			
Biological Definition		-			
INCI Name		Hamamelis Virginiana Water, Alcohol			
Synonyms & Trade Names		-			
CAS-No	84696-19-5	EC No.	283-637-9	EINECS No.	283-637-9
	64-17-5		200-578-6		200-578-6
1.2 Relative identified uses of the substance or mixture and uses advised against					
No additional data					
1.3 Details of the supplier of the safety data sheet					
<p>Madar Corporation Limited 19 - 20 Sandealth Industrial Estate Fordingbridge SP6 1PA</p> <p>01425 655 555</p> <p>technical@madarcorporation.co.uk</p>					
1.4 Emergency Tel. No.		+ 44 (0) 1425 655 555			

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
No additional data	
Classification (EC 1272/2008)	
Under sustained combustibility test L2 the product does not support combustion, therefore, the material is classified as "Non-Hazardous for Transportation"	
2.2 Label Elements	



Label in accordance with (EC) No 1272/2008	
None	
Signal Word	No additional data
Contains	No additional data
Hazard Statements	
None	
Precautionary Statements	
P210 – Keep away from heat/sparks/open flames/hot surfaces – No smoking. P381 – Eliminate all ignition sources if safe to do so. P410/P403 – Protect form sunlight. Store in a well-ventilated place.	
Supplementary Statements	
None	
2.3 Other Hazards	
PBT or vPvB according to Annex XIII	No additional data
Adverse physio-chemical properties	No additional data
Adverse effects on human health	No additional data

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Composition	
85.0 – 86.0% Hamamelis Virginiana Water	
CAS: 84696-19-5	
14.0 15.0% Ethanol	
CAS: 64-17-5	

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Remove to fresh air immediately. Remain at rest, warm and in a position, which is comfortable for breathing. If the affected person has stopped breathing, perform artificial respiration. Seek immediate medical attention.
Ingestion	Never give anything by mouth to a person who is unconscious. Do NOT induce vomiting. If affected person is conscious, rise mouth thoroughly with clean water and move to fresh air. If discomfort occurs/continues, if large quantities have been ingested or if the affect person has become unconscious, seek medical attention.
Skin Contact	Remove contaminated clothing immediately and wash before reuse. Wash skin thoroughly with plenty of clean water. If discomfort occurs/continues, seek medical attention.
Eye Contact	Whilst lifting eyelids, thoroughly rinse eyes with clean water for a minimum of fifteen minutes. If safe to do so, remove contact lenses and continue to rinse. Seek medical attention.



4.2 Most important symptoms and effects, both acute and delayed
Inhalation – May cause mild throat irritation. Ingestion – May cause nausea. Eye Contact – May cause irritation and redness.
4.3 Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media
Foam, Carbon Dioxide, Dry Chemical Powder
5.2 Special hazards arising from the product
May explode when heated or when exposed to flames or sparks. May react with oxidising agents. May generate oxides of carbon and hydrocarbon fumes in the event of fire.
5.3 Advice for firefighters
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Cool containers exposed to flames with water from the side until well after the fire is out. Move container from fire area if it can be done without risk. Wear self-contained, positive pressure respiratory equipment and appropriate protective clothing at all times.


06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Avoid breathing vapours, mist or gas. Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Use protective gloves, goggles and suitable protective clothing. In case of spills, beware of slippery floors and surfaces.
6.2 Environmental Precautions
Do not flush large quantities into surface water or sanitary sewer system. Prevent large quantities of product from entering drains. For smaller quantities, drench with water making sure that washings enter drain only when very dilute.
6.3 Methods and material for containment and cleaning up.
Contain spill and pump into a suitable container. Flush area with copious amounts of water.
6.4 Reference to other sections
Section 13

07. HANDLING AND STORAGE

7.1 Precautions for safe handling
Adhere to all good hygiene, health and safety practices. If handling large/heavy packages, ensure the use of suitable mechanical equipment. Do not eat, drink or smoke whilst handling the product.
7.2 Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well-ventilated area. Store isolated from oxidizing materials. Store away from all sources of ignition. Store in containers made of stainless steel, polyethylene or glass. Do not store in contact with Iron, Aluminium, Zinc, Copper or their alloys since Witch Hazel is particularly reactive with Iron. Product will discolour if it comes in contact with Iron. Keep all containers tightly sealed when not in use. Protect from heat, freezing and light including sunlight.
7.3 Specific end use(s)
No additional data

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters			
Component	CAS	Limited Exposure (8 Hours)	Standard Exposure (15 Minutes)
Hamamelis Virginiana Water	84696-19-5	None Specified	None Specified
Ethanol	64-17-5	1000ppm	None Specified
8.2 Exposure controls			
Protective Equipment			
			
Process Conditions	No additional data		
Engineering Measures	A system of local and / or general exhaust is recommended. Install sufficient ventilation in all areas.		
Respiratory Equipment	For emergencies or instances where the exposure levels are not known, use a full-face positive pressure, air supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.		
Hand Protection	Use suitable protective gloves to prevent risk of skin contact.		



Eye Protection	Use chemical safety goggles and / or a full-face shield. Maintain eye wash fountain and quick-drench facilities in work area.
Other Protection	No additional data
Hygiene Measures	Good hygiene practices are always recommended, especially when handling oils, chemicals or any other similar type of material.
Personal Protection	No additional data
Skin Protection	Wear appropriate protective clothing at all times to prevent against any potential skin contact.
Environmental Exposure Controls	No additional data

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Clear, Liquid
Colour	Colourless
Odour	Characteristic
Relative Density	0.976 – 0.982 @ 20°C 0.979 – 0.983 @ 25°C
Flash Point (°C)	43.10°C
Refractive Index	No additional data
Melting Point (°C)	-8.0°C
Boiling Point (°C)	88.0°C
Vapour Pressure	18.75 mm Hg @ 20°C
Solubility in Water @20°C	Very soluble
Auto-ignition temperature (°C)	No additional data
9.2 Other information	
No additional data	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
No additional data	

10.2 Chemical stability
Expected to be stable under recommended storage conditions.
10.3 Possible hazardous reactions
May react with oxidising agents.
10.4 Conditions to Avoid
Heat, Fumes, all potential sources of ignition.
10.5 Incompatible materials
Iron, Aluminium, Zinc, Copper, all alloys of these materials.
10.6 Hazardous Decomposition Products
Oxides of carbon, hydrocarbon fumes.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects			
Acute Toxicity	Chemical Name	Oral LD50	Inhalation LC50
	Hamamelis Virginiana Water	None Specified	None Specified
	Ethanol	20000 ppm (10 hours – rat)	7060 mg/kg (rat)
Skin corrosion / irritation	No additional data		
Serious eye damage / irritation	May cause irritation and redness in eyes.		
Respiratory or skin sensitisation	No additional data		
Germ Cell Mutagenicity	Salmonella Typhimurium Reverse Mutation Assay		
Carcinogenicity	No additional data		
Reproductive toxicity	No additional data		
STOT-single exposure	No additional data		
STOT-repeated exposure	No additional data		
Aspiration hazard	No additional data		
Photo-toxicity	No additional data		

Other Information	No specific health warning noted. No specific symptoms noted, but this material may still have adverse health impact, either general or on certain individuals.			
	May cause mild throat irritation – inhalation			
	May cause nausea – Ingestion			
	Numerical Measures of Toxicity: Cancer Lists: NTP Carcinogen			
	Ingredient	Known	Anticipated	IARC Category
	Hamamelis Virginiana Water	No	No	None
	Ethanol	No	No	None

12. ECOLOGICAL INFORMATION

12.1 Toxicity
No additional data
12.2 Persistence & degradability
Readily Biodegradable
12.3 Bioaccumulation Potential
Low bioaccumulation potential – Ethanol
12.4 Mobility in soil
No additional data
12.5 Results of PBT and vPvB Assessment
No additional data
12.6 Other adverse effects
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Always dispose of this product in accordance with local and national regulations. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused contents in accordance with local requirements. Whenever possible, collect spilled material.

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	Not regulated
UN No. SEA	Not regulated
UN No. AIR	Not regulated
14.2 UN proper shipping name	
Not applicable	
14.3 Transport hazard class(es)	
Not applicable	
14.4 Packing group	
Not applicable	
14.5 Environmental hazards	
No additional data	
14.6 Special precautions for user	
<p>Special provision 49 CFR 173.150 (e) – Aqueous solution containing greater than 50% water and less than 24% alcohol and no other hazardous material.</p> <p>Aqueous solutions of ethyl alcohol and alcoholic beverages containing not more than 24% alcohol by volume are not subject to the provisions of the ADR.</p> <p>Special provision A58. Ethanol aqueous solutions containing 24% or less alcohol by volume.</p> <p>Special provision 144. Aqueous solutions containing 24% or less ethanol by volume</p>	
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	
No additional data	

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
<p>No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. This material does not contain any chemical components with known CAS numbers that exceed the threshold De Minimis) reporting levels established by SARA Title III, Section 313. Fire Hazard, Acute Health Hazard, Chronic Health Hazard. This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.</p>	
15.2 Chemical safety assessment	



No additional data

16. OTHER INFORMATION

Hazard Statements in Full	None
Revision Date	19/02/2021
Rev No	8

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

Product Specification

PRODUCT	Distilled Witch Hazel BPC				
CODE		DATE	03/08/2022	REVISION	8

DESCRIPTION	Hamamelis Virginiana Water is an aqueous solution containing natural volatile oils obtained by the distillation of twigs, bark and leaves of the Witch Hazel, Hamamelis virginiana L., Hamamelidaceae. Alcohol is undenatured ethyl alcohol that conforms to the formula: CH ₃ CH ₂ OH.				
INCI NAME	Hamamelis Virginiana Water Alcohol				
CAS NUMBER	84696-19-5 64-17-5	EC NUMBER	283-637-9 200-578-6		

CHARACTERISTICS

APPEARANCE AT ROOM TEMPERATURE	Liquid
COLOUR	Colourless
ODOUR	Characteristic

ANALYSIS

CLARITY (NTU) (MFG)	≤0.25
pH (USP)	3.00 – 5.00 @ 25°C
SPECIFIC GRAVITY (BPC)	0.976 – 0.982 @ 20°C
SPECIFIC GRAVITY (USP)	0.979 – 0.983 @ 25°C
TOTAL NON-VOLATILE RESIDUE (mg/100.0 ml) (USP)	<25.0
ALCOHOL (ETHANOL STANDARD, % BY VOLUME) (USP)	14.0 – 15.0
LIMIT OF TANNINS (mg/ml) (USP)	<0.03
ACETONE, OTHER KETONES, ISOPROPYL ALCOHOL & T-BUTYL ALCOHOL (NF XI)	Negative
FORMALDEHYDE (NF XI/BPC)	Negative
TOTAL PLATE COUNT INCLUDING YEAST & MOULD (CFU/ml) (MFG)	<10.0
GRAM NEG./GRAM POS. BACTERIA COUNT (CFU/ml) (MFG)	≤1.00