

Scientific Documentation

Propionic Acid, FCC

Not appropriate for regulatory submission.

Please visit www.spectrumchemical.com or contact Tech Services for the most up-to-date information contained in this information package.

Spectrum Chemical Mfg Corp
769 Jersey Avenue
New Brunswick, NJ 08901
Phone 732.214.1300



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Specification for Propionic Acid, FCC (P1326)

Item Number	P1326
Item	Propionic Acid, FCC
CAS Number	79-09-4
Molecular Formula	C ₃ H ₆ O ₂
Molecular Weight	74.08
MDL Number	
Synonyms	Propanoic Acid

Test	Specification	
	Min	Max
ASSAY (C ₃ H ₆ O ₂ ; ANHYDROUS BASIS)	99.5	100.5 %
DISTILLATION RANGE	138.5°	142.5°C
SPECIFIC GRAVITY @ 20°/20°C	0.993	0.997
ALDEHYDES (AS PROPIONALDEHYDE)		TO PASS TEST (limit about 0.05%)
LEAD (Pb)		2 mg/kg
NONVOLATILE RESIDUE		0.01 %
READILY OXIDIZABLE SUBSTANCES (as FORMIC ACID)		TO PASS TEST
WATER		0.15 %
IDENTIFICATION		TO PASS TEST
CERTIFIED KOSHER		
EXPIRATION DATE		
DATE OF MANUFACTURE		

Spectrum Chemical Mfg Corp

Corporate Headquarters:	West Coast Facility:
769 Jersey Ave.	14422 S. San Pedro St.
New Brunswick, NJ 08901	Gardena, CA 90248
732.214.1300	310.516.8000

Certificate Of Analysis

Item Number	P1326	Lot Number	2MH0239
Item	Propionic Acid, FCC	CAS Number	79-09-4
Molecular Formula	C ₃ H ₆ O ₂	Molecular Weight	74.08

TEST	SPECIFICATION		RESULT
	MIN	MAX	
ASSAY (C ₃ H ₆ O ₂ ; ANHYDROUS BASIS)	99.5	100.5 %	R
DISTILLATION RANGE	138.5°	142.5°C	140.6 -- 141.8 C
SPECIFIC GRAVITY @ 20°/20°C	0.993	0.997	0.995
ALDEHYDES (AS PROPIONALDEHYDE)		TO PASS TEST (limit about 0.05%)	PASSES TEST
LEAD (Pb)		2 mg/kg	0 mg/kg
NONVOLATILE RESIDUE		0.01 %	0.0012 %
READILY OXIDIZABLE SUBSTANCES (as FORMIC ACID)		TO PASS TEST	PASSES TEST
WATER		0.15 %	0.15 %
IDENTIFICATION		TO PASS TEST	PASSES TEST
CERTIFIED KOSHER			CERTIFIED KOSHER
EXPIRATION DATE			15-MAR-2024
DATE OF MANUFACTURE			16-MAR-2023
APPEARANCE			CLEAR,COLORLESS LIQUID

Certificate of Analysis Results Entered By:

SVANGOOR
Swetha Vangoor
12-SEP-23 07:14:58

Spectrum Chemical Mfg Corp
755 Jersey Avenue
New Brunswick 08901 NJ



Certificate of Analysis Results Approved By:

AWILLIAMS
Allison Williams
12-SEP-23 07:12:21

Read and understand label and SDS before handling any chemicals. All Spectrum's chemicals are for manufacturing, processing, repacking or research purposes by experienced personnel only. It is the customer's responsibility to provide adequate hazardous material training and ensure that appropriate Personal Protective Equipment (PPE) is used before handling any chemical.

Certification of Compliance with current Good Manufacturing Practices

Dear Valued Customer:

Spectrum Chemical Mfg Corp certifies that the following product(s) is produced, processed, packaged and held in compliance with current Good Manufacturing Practices (cGMP) in accordance with the applicable parts of 21 CFR, parts 210 and 211 of the Code of Federal Regulations.

Catalog Number	Product Name
P1326	Propionic Acid, FCC

Spectrum is an FDA registered and inspected Drug Establishment. Our United States Food and Drug Administration (USFDA) Registration numbers are as follows:

Spectrum-Gardena, CA:	2020632
Spectrum-New Brunswick, NJ:	2246824

Thank you for your interest in Spectrum products. If we may be of further assistance, please feel free to contact the Quality Assurance department at 310-516-8000 or via email at qualityassurance@spectrumchemical.com

Sincerely,
Quality Assurance
Spectrum Chemical Mfg. Corp.

This document has been produced electronically and is valid without a signature.

P1326, Propionic Acid, FCC

Source Statement

The above-mentioned catalog item is manufactured by chemical synthesis. No animal or plant derived products are used in the manufacturing process.

BSE/TSE Statement

The above-mentioned catalog item does not contain nor is manufactured using any animal derived products and is therefore BSE/TSE free.

Allergen Statement

The above-mentioned catalog item does not contain any of the following:

- | | |
|-------------|-----------------------------|
| ▪ Milk | ▪ Cereals containing Gluten |
| ▪ Egg | ▪ Celery |
| ▪ Fish | ▪ Mustard |
| ▪ Shellfish | ▪ Sesame Seed |
| ▪ Tree Nuts | ▪ Soy |
| ▪ Wheat | ▪ Latex |
| ▪ Peanuts | ▪ Sulfites > 10 ppm |

EU Fragrance Allergen Statement

The above-mentioned catalog item does not contain any of the 26 EU fragrance allergens listed in Annex III lines 67-92. These substances are not intentionally added to the following chemical and therefore, are not expected to be present.

GMO Statement

The above-mentioned catalog item is manufactured without the use of genetically modified organisms and is therefore GMO free.

Melamine Statement

The above-mentioned catalog does not use or add melamine to the manufacturing process and is considered melamine-free.

Nitrosamine Statement

Based on knowledge of the manufacturing process, nitrosamine impurities are not known or suspected to be present in the above-mentioned material.

Animal Testing Statement

The above-mentioned catalog item has been tested on animals before march 1980.

Organic Compliance Statement

The above-mentioned catalog item has not been produced using GMOs, irradiation, ethylene oxide (EtO) or sewage sludge.

Shelf Life Statement

The above-mentioned catalog item is typically assigned a shelf life of 12 months from the date of manufacture. The actual assigned shelf life for any specific lot should be referenced on the Certificate of Analysis.

Other Chemicals Statement

Spectrum does not have any reason to suspect the above-mentioned catalog item contains any of the following chemicals. This product does not come into contact with these chemicals during packaging or storage:

- | | |
|---------------------|--------------|
| ▪ Aflatoxins | ▪ Parabens |
| ▪ Antibiotics | ▪ Pesticides |
| ▪ Bisphenol A (BPA) | ▪ Phthalates |
| ▪ CMR Substances | |

Label Information

The Spectrum label presents technical and safety information in an easily understood format. Our technical specialists stay abreast of the latest requirements of the Globally Harmonized System for Classification and Labelling of Chemicals (GHS), as well as the Occupational Safety and Health Administration (OSHA), the Food and Drug Administration (FDA) and other government regulatory agencies in order to ensure compliance, accuracy and concise hazard communication. Below you will find a typical label example for this catalog item.

DANGER

- Causes severe skin burns and eye damage •
- Flammable liquid and vapor • Toxic in contact with skin • May be harmful if swallowed.
- Keep away from heat, sparks, open flames, hot surfaces
- No smoking • Ground container and receiving equipment
- Use explosion-proof equipment • Use only non-sparking tools • Take precautionary measures against static discharge • Wear protective gloves, protective clothing, eye protection, face protection • Do not breathe mist or vapors
- Use only outdoors or in a well-ventilated area • Wash face, hands and any exposed skin thoroughly after handling.

FIRST AID: Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

IN CASE OF FIRE: Use dry chemical, water spray, alcohol-resistant foam or CO₂ to extinguish.

KEEP FROM CHILDREN

P1326

SIZ SY

Propionic Acid

(Propanoic Acid)

FCC

CAS 79-09-4

CAUTION: For manufacturing, processing or repacking. Read and understand the label and Safety Data Sheet (SDS) prior to use.

DOT: UN3463, Propionic acid, 8 (3), PG II

Chemical Emergency: (800)424-9300

www.SpectrumChemical.com

C₃H₆O₂ **F.W. 74.08**

Assay (C₃H₆O₂; Anhydrous Basis) 99.5-100.5%

Distillation Range 138.5°-142.5°C

Specific Gravity @ 20°/20°C 0.993-0.997

MAXIMUM LIMITS

Aldehydes (as Propionaldehyde).....To pass test (limit about 0.05%)

Lead 2 mg/kg

Nonvolatile Residue 0.01%

Readily Oxidizable Substances (as Formic Acid).....To pass test (limit about 0.05%)

Water 0.15%

WARNING: Cancer and Reproductive Harm
www.P65Warnings.ca.gov

W 7/J9GHS ? Lot No. XQ####

Retest Date: 00-00-0000

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*

Spectrum Chemical Mfg Corp

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