



Givaudan

Technical Data Sheet

EC840501

Turmeric rhizome PE 95%
curcuminoids HPLC Granular

Product information

Sensory profile	Typical
Color	dark yellow
Appearance	granular
Source used	Turmeric (<i>Curcuma longa</i> L.)
Part used	Rhizomes
Process used	Extraction, spray drying
Extraction solvent used	Ethyl acetate (100%)
Purification solvent used	Ethyl acetate
Native extract ratio (NER)	22-60/1
Equivalence statement	1 kg of product is made from an average of 41 kg of dry turmeric rhizomes.

Parameters for positive release

Analysis	Specification Limits	Method
Appearance	Conform	Visual (CQ-MO-148)
Sensory evaluation	Conform	Sensory (CQ-MO-148)
Curcumin	77.0 - 87.0 %	HPLC (LA-15-062)
Identification test	Conform	HPLC (LA-15-062)
Bulk density	0.50 - 0.90 g/ml	Graduated cylinder (CQ-MO-257)
Loss on drying	<= 8.0 %	I.R. balance (CQ-MO-018)
Particles <20 Mesh (850 micron)	>= 95.0 %	Sieve (CQ-MO-023)
Particles <100 Mesh (150 micron)	<= 20.0 %	Sieve (CQ-MO-023)
Ethyl acetate	<= 5,000 mg/kg	GC (CQ-MO-168)
Bisdemethoxycurcumin	0.7 - 3.0 %	HPLC (LA-15-062)
Demethoxy Curcumin	13.0 - 19.0 %	HPLC (LA-15-062)
Total Curcuminoids	>= 95.0 %	HPLC (LA-15-062)
Total plate count	<= 10,000 /g	ISO 4833-1: 2013
Yeasts and moulds	<= 100 /g	ISO 21527: 2008
Arsenic	<= 1.00 mg/kg	ICP (CQ-MO-247)
Cadmium	<= 1.00 mg/kg	ICP (CQ-MO-247)
Mercury	<= 0.10 mg/kg	ICP (CQ-MO-247)
Lead	<= 1.00 mg/kg	ICP (CQ-MO-247)
Heavy metal	<= 10.00 mg/kg	ICP (CQ-MO-247)-not including Chromium

Parameters not routinely tested

Analysis	Specification Limits	Method
Carbon 14	Conform	
Coliforms	<= 10 /g	ISO 4832: 2006
E. coli	Negative /g	ISO 7251: 2005
Salmonella	Negative /25g	ISO 6579-1 2017



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Turmeric rhizome PE 95%
curcuminoids HPLC Granular

Parameters not routinely tested

Analysis	Specification Limits	Method
Bile-tolerant gram-negative bacteria	<= 100 /g	ISO 21528-2: 2017 without confirmation
Aflatoxine B1	<= 5 µg/kg	
Conjoitly aflatoxine B1,B2,G1,G2	<= 10 µg/kg	
Ochratoxin A	<= 15 µg/kg	
Pesticide Evaluation	Conform	
Benzo[a]pyrene	<= 10 µg/kg	
PAH 4	<= 50 µg/kg	

Micro Testing Principles	Low micro load, intrinsically stable. Guaranteed limits. Testing not applicable.
Heavy metals	Conform to regulatory requirements.

Storage and handling

Shelf life	728 Days
Storage conditions	Dry, preferably full, hermetically sealed
Temperature conditions	Ambient / 10-30°C (50-85°F)
Handling	Protect against light.

Miscellaneous Compliance Information

Agency(geography)	Category	Value
European Union	Contaminants Compliance	Complies with European Regulation 396/2005/EC on pesticide residue evaluation.
United States of America (USA)	Contaminants Compliance	Complies with United States Pharmacopeia (USP) General Chapter <561> on pesticide residue evaluation.
United States of America (USA)	Contaminants Compliance	Complies with United States Pharmacopeia (USP) General Chapter <467> on residual solvent evaluation.
United States of America (USA)	Regulatory Compliance Food	Complies with the US Dietary Supplement Health and Education Act of 1994.
United States of America (USA)	Regulatory Compliance Food	Complies with US Code of Federal Regulation 21 CFR 182.A (GRAS).



Givaudan
Technical Data Sheet

EC840501	Turmeric rhizome PE 95% curcuminoids HPLC Granular
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Certifications		
Certification type	Certified by/Certification N°	Facility
Certified Halal	IFANCA	South Hackensack (United States of America)
Certified Kosher Parve	KOF-K Kosher Supervision	South Hackensack (United States of America)
Certified Kosher Parve	OK Kosher Certification	Swadlincote (United Kingdom)

The above provides a summary of the certifications relevant to the product. Actual certifications may be sales order related.

Miscellaneous	
Custom Tariff number	3203.00

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All information is valid until revisions are issued.
It is the customer's responsibility to ensure that the usage of the
product and the levels of such usage is permitted according to the
relevant laws and regulations governing the application for which the
product is intended.

Table S7. Technical Data Sheet for Kava Kava



Givaudan

Technical Data Sheet

EC841560

KAVA KAVA ROOT PE 30% KAVA LACTONES
HPLC

01580

Product information

Sensory profile	Typical
Color	light yellow to tan
Appearance	powder
Source used	Kava kava (Piper methysticum G.Forst.)
Part used	Roots
Process used	Extraction, spray drying
Extraction solvent used	Ethanol (95%) / Water (5%)
Native extract ratio (NER)	5-8/1
Equivalence statement	1 kg of product is made from an average of 3.0 kg of dry kava kava roots.

Parameters for positive release

Analysis	Specification Limits	Method
Appearance	Conform	Visual (CQ-MO-148)
Sensory evaluation	Conform	Sensory (CQ-MO-148)
Identification test	Conform	HPLC (CQ-MO-027)
Bulk density	≥ 0.30 g/ml	Graduated cylinder (CQ-MO-257)
Loss on drying	≤ 8.0 %	I.R. balance (CQ-MO-018)
Particles <40 Mesh (400 micron)	≥ 95.0 %	Sieve (CQ-MO-023)
Kavalactones	≥ 30.00 %	HPLC (CQ-MO-027)
Total plate count	$\leq 10,000$ /g	ISO 4833-1: 2013
Yeasts and moulds	≤ 100 /g	ISO 21527: 2008
Ethanol	$\leq 5,000.0$ mg/kg	GC (CQ-MO-168)
Arsenic	≤ 2.00 mg/kg	ICP (CQ-MO-247)
Cadmium	≤ 0.82 mg/kg	ICP (CQ-MO-247)
Mercury	≤ 0.10 mg/kg	ICP (CQ-MO-247)
Lead	≤ 1.00 mg/kg	ICP (CQ-MO-247)
Heavy metal	≤ 10.00 mg/kg	ICP (CQ-MO-247)-not including Chromium

Parameters not routinely tested

Analysis	Specification Limits	Method
Enterobacteriaceae	$\leq 1,000$ /g	ISO 21528-2: 2017
Coliforms	≤ 10 /g	ISO 4832: 2006
E. coli	Negative /10g	ISO 7251: 2005
Salmonella	Negative /25g	ISO 6579-1 2017
Bile-tolerant gram-negative bacteria	≤ 100 /g	ISO 21528-2: 2017 without confirmation
Pesticide Evaluation	Conform	
Benzo[a]pyrene	≤ 10 µg/kg	
PAH 4	≤ 50 µg/kg	

Table S7. Technical Data Sheet for Kava Kava (continued)



Givaudan

Technical Data Sheet

EC841560

KAVA KAVA ROOT PE 30% KAVA LACTONES
HPLC

01580

Parameters not routinely tested

Analysis	Specification Limits	Method
Micro Testing Principles	Limits guaranteed, selected microbiological parameters are monitored.	
Heavy metals	Conform to regulatory requirements.	

Storage and handling

Shelf life	728 Days
Storage conditions	Dry, preferably full, hermetically sealed
Temperature conditions	Ambient / 10-30°C (50-85°F)
Handling	Protect against light.

Miscellaneous Compliance Information

Agency(geography)	Category	Value
United States of America (USA)	Contaminants Compliance	Complies with United States Pharmacopeia (USP) General Chapter <561> on pesticide residue evaluation.
United States of America (USA)	Regulatory Compliance Food	Complies with the US Dietary Supplement Health and Education Act of 1994.

Certifications

Certification type	Certified by/Certification N°	Facility
Certified Kosher Parve	KOF-K Kosher Supervision	South Hackensack (United States of America)

The above provides a summary of the certifications relevant to the product. Actual certifications may be sales order related.

Reference Application(s) and Dosage (in %)

Water	0.25
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Table S8. Technical Data Sheet for Milk Thistle Seed



Givaudan

Technical Data Sheet

EC840533

MILK THISTLE SEED PE 80% SILYMARIN
UV

34180

Product information

Sensory profile	Typical
Color	beige to Brownish yellow
Appearance	powder
Source used	Milk thistle (Silybum marianum (L.) Gaertn.)
Part used	Seeds
Process used	Extraction
Extraction solvent used	Acetone (80-100%) / Water (0-20%)
Native extract ratio (NER)	24-26/1
Equivalence statement	1 kg of product is made from an average of 25.0 kg of dry milk thistle seeds.

Parameters for positive release

Analysis	Specification Limits	Method
Appearance	Conform	Visual (CQ-MO-148)
Sensory evaluation	Conform	Sensory (CQ-MO-148)
Identification test	Conform	TLC (QC-SOP-018)
Bulk density	0.30 - 0.60 g/ml	Graduated cylinder (CQ-MO-257)
Loss on drying	<= 6.0 %	I.R. balance (CQ-MO-018)
Particles <80 Mesh (175 micron)	>= 100 %	Sieve (CQ-MO-023)
Hexane	<= 290 mg/kg	GC (CQ-MO-168)
Silymarin	>= 80.0 %	Spectrophotometer (CQ-MO-084)
Silybin and derivatives	>= 30.0 %	HPLC (CQ-MO-162)
Total plate count	<= 10,000 /g	ISO 4833-1: 2013
Yeasts and moulds	<= 100 /g	ISO 21527: 2008
Acetone	<= 0.5 mg/kg	GC (CQ-MO-168)
Arsenic	<= 1.00 mg/kg	ICP (CQ-MO-247)
Cadmium	<= 0.50 mg/kg	ICP (CQ-MO-247)
Mercury	<= 0.10 mg/kg	ICP (CQ-MO-247)
Lead	<= 0.50 mg/kg	ICP (CQ-MO-247)
Heavy metal	<= 10.00 mg/kg	ICP (CQ-MO-247)-not including Chromium

Parameters not routinely tested

Analysis	Specification Limits	Method
Coliforms	<= 3 /g	ISO 4831: 2006 MPN
E. coli	Negative /10g	ISO 7251: 2005
Salmonella	Negative /25g	ISO 6579-1 2017
Enterobacteriaceae	Negative /g	ISO 21528-1: 2017
Staphylococcus aureus	Negative /10g	ISO 6888-3: 2003-2004
Bile-tolerant gram-negative bacteria	<= 100 /g	ISO 21528-2: 2017 without confirmation
Aflatoxine B1	<= 5 µg/kg	

Table S8. Technical Data Sheet for Milk Thistle Seed (continued)



Givaudan

Technical Data Sheet

EC840533

MILK THISTLE SEED PE 80% SILYMARIN
UV

34180

Parameters not routinely tested

Analysis	Specification Limits	Method
Conjointly aflatoxine B1,B2,G1,G2	<= 10 µg/kg	
Ochratoxin A	<= 7 µg/kg	
Pesticide Evaluation	Conform	
Benzo[a]pyrene	<= 10 µg/kg	
PAH 4	<= 50 µg/kg	

Micro Testing Principles	Limits guaranteed, selected microbiological parameters are monitored.
Heavy metals	Conform to regulatory requirements.

Storage and handling

Shelf life	728 Days
Storage conditions	Dry, preferably full, hermetically sealed
Temperature conditions	Ambient / 10-30°C (50-85°F)
Handling	Protect against light.

Miscellaneous Compliance Information

Agency(geography)	Category	Value
European Union	Contaminants Compliance	Complies with European Regulation 396/2005/EC on pesticide residue evaluation.
United States of America (USA)	Contaminants Compliance	Complies with United States Pharmacopeia (USP) General Chapter <561> on pesticide residue evaluation.
United States of America (USA)	Contaminants Compliance	Complies with United States Pharmacopeia (USP) General Chapter <467> on residual solvent evaluation.
United States of America (USA)	Regulatory Compliance Food	Complies with the US Dietary Supplement Health and Education Act of 1994.

Certifications

Certification type	Certified by/Certification N°	Facility
Certified Halal	IFANCA	South Hackensack (United States of America)
Certified Kosher Parve	KOF-K Kosher Supervision	South Hackensack (United States of America)

The above provides a summary of the certifications relevant to the product. Actual certifications may be sales order related.

Table S8. Technical Data Sheet for Milk Thistle Seed (continued)



Givaudan

Technical Data Sheet

EC840533

MILK THISTLE SEED PE 80% SILYMARIN
UV

34180

Miscellaneous

Custom Tariff number

2932.99

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Givaudan Flavors Corporation

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Technical Information Services

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Issue date: 16 May 2023 - 11:02

RSBND0921625-siegel-m-20230516155627



Givaudan

Technical Data Sheet

EC841136

BOSWELLIA RESIN PE 65% BOSWELLIC
ACIDS BY TITRATION**Product information**

Sensory profile	Typical
Color	beige to light brown
Appearance	powder
Source used	Boswellia (Boswellia serrata Triana & Planch.)
Part used	Resins
Process used	Extraction, spray drying
Extraction solvent used	Methanol (80-100%) / Water (0-20%)
Native extract ratio (NER)	5-10/1
Equivalence statement	1 kg of product is made from an average of 7.5 kg of dry boswellia resins.

Parameters for positive release

Analysis	Specification Limits	Method
Appearance	Conform	Visual (CQ-MO-148)
Sensory evaluation	Conform	Sensory (CQ-MO-148)
Identification test	Conform	HPTLC (QC-SOP-032)
Bulk density	≥ 0.09 g/ml	Graduated cylinder (CQ-MO-257)
Loss on drying	≤ 8 %	I.R. balance (CQ-MO-018)
Particles <80 Mesh (175 micron)	≥ 95 %	Sieve (CQ-MO-023)
Tapped Density	≥ 0.28 g/ml	Tapped Density Tester (CQ-MO-257)
Total boswellic acids	≥ 65.0 %	Titration (CQ-MO-340)
Total plate count	$\leq 10,000$ /g	ISO 4833-1: 2013
Yeasts and moulds	≤ 100 /g	ISO 21527: 2008
Methanol	≤ 50 mg/kg	GC (CQ-MO-168)
Arsenic	≤ 1.00 mg/kg	ICP (CQ-MO-247)
Cadmium	≤ 1.00 mg/kg	ICP (CQ-MO-247)
Mercury	≤ 0.10 mg/kg	ICP (CQ-MO-247)
Lead	≤ 0.50 mg/kg	ICP (CQ-MO-247)
Heavy metal	≤ 10.00 mg/kg	ICP (CQ-MO-247)

Parameters not routinely tested

Analysis	Specification Limits	Method
Coliforms	≤ 10 /g	ISO 4832: 2006
E. coli	Negative /g	ISO 7251: 2005
Salmonella	Negative /25g	ISO 6579-1 2017
Bile-tolerant gram-negative bacteria	≤ 100 /g	ISO 21528-2: 2017 without confirmation
Pesticide Evaluation	Conform	
Benzo[a]pyrene	≤ 10 µg/kg	
PAH 4	≤ 50 µg/kg	



Givaudan

Technical Data Sheet

EC841136

BOSWELLIA RESIN PE 65% BOSWELLIC
ACIDS BY TITRATION

Parameters not routinely tested

Analysis	Specification Limits	Method
Heavy metals	Conform to regulatory requirements.	

Storage and handling

Shelf life	728 Days
Storage conditions	Dry, preferably full, hermetically sealed
Temperature conditions	Ambient / 10-30°C (50-85°F)
Handling	Protect against light.

Miscellaneous Compliance Information

Agency(geography)	Category	Value
United States of America (USA)	Contaminants Compliance	Complies with United States Pharmacopeia (USP) General Chapter <561> on pesticide residue evaluation.
United States of America (USA)	Regulatory Compliance Food	Complies with the US Dietary Supplement Health and Education Act of 1994.

Certifications

Certification type	Certified by/Certification N°	Facility
Certified Halal	IFANCA	South Hackensack (United States of America)
Certified Kosher Parve	KOF-K Kosher Supervision	South Hackensack (United States of America)
Certified Kosher Parve	OK Kosher Certification	Swadlincote (United Kingdom)

The above provides a summary of the certifications relevant to the product. Actual certifications may be sales order related.

Miscellaneous

Custom Tariff number	2106.90
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NATUREX

Product Specification

BLUEBERRY 150-Z_102267 EUS

Ref : NN102267

Description :

Blueberry 150-Z_102267 is a powder which has a blueberry flavor with a note of jam and a slight astringent and acidulous taste. It is made with blueberry juice and produced by spray drying.

Botanical name : *Vaccinium angustifolium* L., *Vaccinium myrtillus* L.

1kg product contains approx. 4.5 kg juice at 11°Brix.

Composition :

Blueberry juice, Maltodextrin (from maize)

Regulation status :

The raw materials used to manufacture the product are compliant with the applicable provisions set by Commission Regulation (EC) N° 1881/2006 of 19 December 2006 setting maximum levels for certain contaminants in foodstuffs. The raw materials used to manufacture the product are compliant with the applicable provisions set by the US Code of Federal regulation 40 CFR Part 180 setting tolerances and exemptions for pesticide chemical residues in food.

Specifications :

Sensory quality :

Aspect :	Spray dried powder
Color :	Violet
Flavor :	Blueberry

Analytical quality :

Particle size :	> 95 % through 0.5 mm*
Water content :	< 5.0 %
Titrateable acidity (citric acid monohydrate) :	3.4 - 7.0 %
Pesticide residues :	Compliant to 40CFR180*
Pesticide residues :	Compliant to EU Regulation 396/2005*

Microbiological quality :

Total plate count :	< 5,000 cfu/g
Mould count :	< 100 cfu/g
Yeast count :	< 100 cfu/g
Enterobacteriaceae :	Not Detectable in 0.1 g
Salmonella :	Not Detectable in 50 g

*Control Plan, Analysis performed once a year.



Product Specification

BLUEBERRY 150-Z_102267 EUS

Ref : NN102267

Packaging :

Cardboard box with polyethylene bags : 20 kg net

Recommended storage conditions :

in a cool room, sheltered from light, moisture and oxygen (4 - 18°C, 60 % RH).

Best before :

36 months under the previously mentioned conditions and in its original packaging.

*This specification sheet cancels and replaces all previous publications : **August 12, 2021***

Table S11. Technical Data Sheet for Tanshinone IIA

Sigma-Aldrich®

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

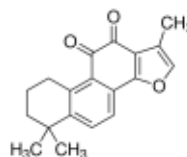
Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Tanshinone IIA - $\geq 97\%$ (HPLC)

Product Number: T4952
CAS Number: 568-72-9

Formula: C₁₉H₁₈O₃
Formula Weight: 294.34 g/mol
Storage Temperature: 2 - 8 °C



TEST	Specification
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Appearance (Color)	Orange to Dark Orange to Dark Red
Appearance (Form)	Powder
IR Spectrum	Conforms to Structure
Solubility (Color)	Red to Red-Orange
Solubility (Turbidity)	Clear
5 mg/mL, MeOH	
Purity (HPLC)	$\geq 97\%$
(approx 98%)	
Melting Range	Conforms
209-210 Deg C	

Specification: PRD.0.ZQ5.10000103680

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



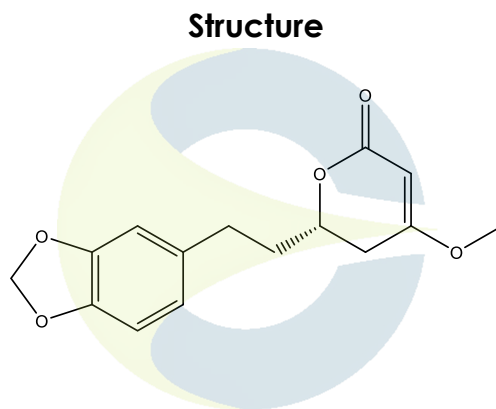
Table S12. Technical Data Sheet for Dihydromethysticin



Certificate of Analysis

For Laboratory Use Only

PRODUCT NAME	Dihydromethysticin
PART NUMBER	00004482
STANDARD TYPE	Primary (P)
LOT NUMBER	00004482-242
REPORT NUMBER	CDXA-RSS-9919-00
SAMPLE NUMBER	CDXP-22-00796
DATE OF SAMPLE	08/30/2022
DATE OF REPORT	09/22/2022



CHEMICAL NAMES	(6S)-6-(2-(1,3-benzodioxol-5-yl)ethyl)-5,6-dihydro-4-methoxy-2H-Pyran-2-one; 7,8-Dihydromethysticin; (S)-(+)-Dihydromethysticin
CHEMICAL FORMULA	C ₁₅ H ₁₆ O ₅
MOLECULAR WEIGHT (MW)	276.29
CHEMICAL FAMILY	Kavalactones
CAS NUMBER	[19902-91-1]
EC#(EINECS)	N/A
RTECS	UQ0516000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	99.1%
HPLC	0.700.10.2.METH22	≥ 90%	99.1%
NMR	0.700.12.4	Conforms to structure	Conforms to structure
Mass Spectrum	0.700.12.27	Conforms	Conforms
Residual Solvent*	USP <467>	NA	ND
Water	0.700.12.37	NA	ND
Appearance	NA	NA	White powder

*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 99.1% IS BASED ON (100 - 0.0 SOLVENTS - 0.0 WATER) X 99.1% HPLC

STORAGE CONDITIONS

STORAGE	-20 °C in a dry place.
EXPIRATION DATE	08/2027 under the above conditions.

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3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:

Carnosic acid from Rosmarinus officinalis - ≥91%, powder

Product Number:

C0609

CAS Number:

3650-09-7

MDL:

MFCD02259459

Formula:

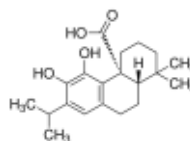
C₂₀H₂₈O₄

Formula Weight:

332.43 g/mol

Storage Temperature:

-20 °C



TEST

Specification

Appearance (Color)

Faint Yellow to Dark Yellow

Appearance (Form)

Powder

Proton NMR spectrum

Conforms to Structure

EmM

1.50 - 2.00

in MeOH

Wavelength

284 - 286 nm

Lambda max

Purity (HPLC)

≥ 91 %

Specification: PRD.1.ZQ5.10000045550

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



Specification Sheet

Product Name	Digoxin analytical standard
Product Number	D6003
Product Brand	SIAL
CAS Number	20830-75-5
Molecular Weight	780.94

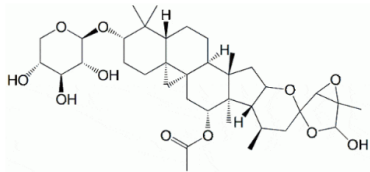
TEST	SPECIFICATION
APPEARANCE (COLOR)	White to OffWhite
APPEARANCE (FORM)	Powder
PURITY (HPLC AREA%)	2: 95.0%
SOLUBILITY (COLOR)	Colorless
SOLUBILITY (TURBIDITY)	Clear
SOLUBILITY (METHOD) INFRARED	0.5 % in methanol:methylene chloride 1:1 (v/v)
SPECTRUM RECOMMENDED	CONFORMS TO STRUCTURE
RETEST PERIOD	48MONTHS

Table S15. Technical Data Sheet for Actein



Home / Uncategorized / Actein

ACTEIN



ABSTRACT

Actein (CAS 18642-44-9) and 27-Deoxyactein are the major triterpene glycosides isolated from the roots and rhizomes of black cohosh. Black cohosh (*Cimicifuga racemosa*) is a major product in chinses traditional medicine. Many of these compounds are physiologically active and possess a broad range of medico-biological action. *C. racemosa* has been traditionally exploited as an alternative therapy for the improvement of various disorders, including breast cancer and osteoporosis. Recent research indicates these triterpene glycosides may be an effective treatment for postmenopausal syndrome. Preclinical and clinical data have supported the CNS activity associated with the alleviation of post-menopausal symptoms. 27-Deoxyactein and actein have also shown efficacy in treatment of osteoporosis.

Category: [Uncategorized](#)

COMPOUND DETAILS

CAS	18642-44-9
Molecular Weight	676.85
Chemical Formula	C37H56O11
IUPAC	[(1S,1'R,2S,3'R,4R,4'R,5R,5'R,6'R,10'S,12'S,13'S,16'R,18'S,21'R)-2-hydroxy-1,4',6',12',17',17'-hexamethyl-18'-[(2S,3R,4S,5R)-3,4,5-trihydroxyoxan-2-yl]oxyspiro[3,6-dioxabicyclo[3.1.0]hexane-4,8'-9-oxahexacyclo[11.9.0.01,21.04,12.05,10.016,21]docosane]-3'-yl] acetate
Synonyms	Shengmating
SMILES	CC1CC2(C3C(O3)C(O2)O)C)OC4C1C5(C(CC67CC68CCC(C(C8CCC7C5(C4)C)(C)C)OC9C(C(C(CO9)O)O)O)OC(=O)C)C
Purity	98%+
Storage Temperature	Below -18 degrees C
Storage Conditions	Dry, freezer