

Sweeteners Reference Standards

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Natural sweeteners have been used in many applications from matcha tea blends to zero-calorie sodas and beverages for many years. Stevia leaf (*Stevia rebaudiana*); which is regulated at the global scale as a 95% STEVIOL glycosides product is a zero-calorie, sustainable, sugar alternative that has been used by soaking in tea or chewing on the leaves by people in South America since the late 1800s. These compounds are often 100X to 200X sweeter than sucrose and are not readily metabolized by the body hence the "zero-calorie" denotation. Monk fruit (*Siraitia grosvenorii*) is another sweetener that contains many saponins that are several times sweeter than sucrose, these are named as mogrosides and are also marketed as "zero-calorie" sweeteners.

Because natural sweeteners are more expensive for companies to use in beverage and food formulations it is important to determine the quality of the raw material going into the formulation. This is where ChromaDex can help. Our line of sweetener Reference Standards will help you accurately evaluate your raw products, meeting FDA regulations. Because of the scarcity of some natural sweeteners, some may be created by enzymatic, or chemical means (such Rebaudioside D and M) adding the potential for residual solvents to be present in raw materials. These contaminants can affect both the taste and regulatory status of the raw material.

A non-biased, third-party, orthogonally characterized reference material is important to obtain accurate results, which is what ChromaDex specializes in. Simply put, we use multiple methods of analysis to validate that the purity of the reference standard is accurate, and all impurities are accounted for. Some of our additional methods of analysis includes residual solvents, water content, elemental analysis (when needed), and other analytical techniques.

What makes our sweeteners standards different/better?

ChromaDex is the leading provider of phytochemical reference standards, botanical reference materials, and research grade materials for the natural products industry since 1999. As a result, our extensive experience and knowledge within all these fields and specifically Sweeteners makes us unique. Our Sweetener standards are the highest quality, offered in different grades: Primary (P), Analytical Standard (AS), and Reagent Grade (RG) reference standards. Our primary grade standards (P) are supplied with a detailed certificate of analysis (CoA) that highlights all data collected including:

- NMR
- High Resolution Mass Spec
- HPLC or GC with Method Details
- Water Content by Karl Fisher
- Residual Solvents by GC/MS
- Additional tests as needed

Our results are included in our CoA. We provide a clear, concise, and detailed characterization on all our standards like no other.

Part Number	Product Description	Grade	Size	CAS Number
ASB-00001033-001	ACESULFAME-K	P	1g	55589-62-3
ASB-00001033-250	ACESULFAME-K	P	250mg	55589-62-3
ASB-00001033-500	ACESULFAME-K	P	500mg	55589-62-3
ASB-00011045-001	ASPARTAME	P	1g	22839-47-0
ASB-00004248-001	DEXTROSE	RG	1g	50-99-7
ASB-00004949-005	DULCOSIDE A	P	5mg	64432-06-0
ASB-00004949-010	DULCOSIDE A	P	10mg	64432-06-0
ASB-00004949-025	DULCOSIDE A	P	25mg	64432-06-0
ASB-00004949-100	DULCOSIDE A	P	100mg	64432-06-0
ASB-00006244-001	FRUCTOSE, D-(-)	RG	1g	57-48-7
ASB-00006244-005	FRUCTOSE, D-(-)	RG	5g	57-48-7
ASB-00006243-005	FRUCTOSE, D-(-)	P	5g	57-48-7
ASB-00006243-001	FRUCTOSE, D-(-)	P	1g	57-48-7
ASB-00007021-001	GALACTOSE, D-(+)	RG	1g	59-23-4
ASB-00007022-250	GALACTOSE, L	RG	250mg	15572-79-9
ASB-00007265-001	GLUCOSE, B-D-(+)	RG	1g	492-61-5
ASB-00007261-005	GLUCOSE, D-(+)	AS	5g	50-99-7
ASB-00007263-001	GLUCOSE, D-(+)	P	1g	50-99-7
ASB-00007263-005	GLUCOSE, D-(+)	P	5g	50-99-7
ASB-00007260-010	GLUCOSE, L-(-)	RG	10mg	921-60-8
ASB-00007417-001	GROSMOMOSIDE I	P	1mg	916593-21-0
ASB-00007417-005	GROSMOMOSIDE I	P	5mg	916593-21-0
ASB-00009518-005	ISOREBAUDIOSIDE A	P	5mg	1058600-85-3
ASB-00009518-010	ISOREBAUDIOSIDE A	P	10mg	1058600-85-3
ASB-00009592-001	ISOSTEVIOLMONOSIDE	HXP	1mg	1185737-09-0
ASB-00010176-001	JECFA 13 COMPOUND MIXTURE	P	1mL	NA 11
ASB-00010175-001	JECFA 9 COMPOUND MIXTURE	P	1mL	NA 10
ASB-00012004-001	LACTOSE, BETA-D	AS	1g	5965-66-2
ASB-00012005-001	LACTOSE, BETA-D	RG	1g	5989-81-1
ASB-00012004-005	LACTOSE, BETA-D-(AS) - 5g	AS	5g	5965-66-2
ASB-00013041-250	MALTOSE MONOHYDRATE, D-(-)	P	250mg	6363-53-7
ASB-00013041-001	MALTOSE MONOHYDRATE, D-(-)	P	1g	6363-53-7
ASB-00013041-005	MALTOSE MONOHYDRATE, D-(-)	P	5g	6363-53-7
ASB-00013040-001	MALTOSE, D-(+)	P	1g	69-79-4
ASB-00013040-250	MALTOSE, D-(+)	P	250mg	69-79-4
ASB-00013040-005	MALTOSE, D-(+)	P	5g	69-79-4
ASB-00013886-010	MOGROSIDE IIA2	P	10mg	88901-45-5
ASB-00013887-010	MOGROSIDE IIIA1	P	10mg	88901-42-2
ASB-00013883-001	MOGROSIDE IIIE	P	1mg	88901-37-5
ASB-00013883-005	MOGROSIDE IIIE	P	5mg	88901-37-5

Part Number	Product Description	Grade	Size	CAS Number
ASB-00013881-005	MOGROSIDE V	P	5mg	88901-36-4
ASB-00013881-010	MOGROSIDE V	P	10mg	88901-36-4
ASB-00013881-025	MOGROSIDE V	P	25mg	88901-36-4
ASB-00013881-100	MOGROSIDE V	P	100mg	88901-36-4
ASB-00013882-005	MOGROSIDE V, 11-OXO	P	5mg	126105-11-1
ASB-00013882-010	MOGROSIDE V, 11-OXO	P	10mg	126105-11-1
ASB-00013882-050	MOGROSIDE V, 11-OXO	P	50mg	126105-11-1
ASB-00016196-010	PHYLLODULCIN	P	10mg	21499-23-0
ASB-00018223-001	REBAUDIOSIDE A	P	1mL	58543-16-1
ASB-00018306-010	REBAUDIOSIDE A	CRM	10mg	58543-16-1
ASB-00018223-002	REBAUDIOSIDE A	P	2mL	58543-16-1
ASB-00018226-001	REBAUDIOSIDE A(REBIANA)	P	1g	58543-16-1
ASB-00018226-005	REBAUDIOSIDE A(REBIANA)	P	5mg	58543-16-1
ASB-00018226-010	REBAUDIOSIDE A(REBIANA)	P	10mg	58543-16-1
ASB-00018226-050	REBAUDIOSIDE A(REBIANA)	P	50mg	58543-16-1
ASB-00018226-250	REBAUDIOSIDE A(REBIANA)	P	250mg	58543-16-1
ASB-00018225-001	REBAUDIOSIDE A(REBIANA)	RG	1g	58543-16-1
ASB-00018227-005	REBAUDIOSIDE B	P	5mg	58543-17-2
ASB-00018227-010	REBAUDIOSIDE B	P	10mg	58543-17-2
ASB-00018227-025	REBAUDIOSIDE B	P	25mg	58543-17-2
ASB-00018227-100	REBAUDIOSIDE B	P	100mg	58543-17-2
ASB-00018237-001	REBAUDIOSIDE B	AS	1g	58543-17-2
ASB-00018307-010	REBAUDIOSIDE B	CRM	10mg	58543-17-2
ASB-00018228-005	REBAUDIOSIDE C	P	5mg	63550-99-2
ASB-00018228-010	REBAUDIOSIDE C	P	10mg	63550-99-2
ASB-00018228-025	REBAUDIOSIDE C	P	25mg	63550-99-2
ASB-00018228-100	REBAUDIOSIDE C	P	100mg	63550-99-2
ASB-00018238-001	REBAUDIOSIDE C	AS	1g	63550-99-2
ASB-00018238-250	REBAUDIOSIDE C	AS	250mg	63550-99-2
ASB-00018308-010	REBAUDIOSIDE C	CRM	10mg	63550-99-2
ASB-00018229-005	REBAUDIOSIDE D	P	5mg	63279-13-0
ASB-00018229-010	REBAUDIOSIDE D	P	10mg	63279-13-0
ASB-00018229-025	REBAUDIOSIDE D	P	25mg	63279-13-0
ASB-00018229-100	REBAUDIOSIDE D	P	100mg	63279-13-0
ASB-00018229-500	REBAUDIOSIDE D	P	500mg	63279-13-0
ASB-00018309-010	REBAUDIOSIDE D	CRM	10mg	63279-13-0
ASB-00018235-005	REBAUDIOSIDE E	P	5mg	63279-14-1
ASB-00018235-010	REBAUDIOSIDE E	P	10mg	63279-14-1
ASB-00018235-025	REBAUDIOSIDE E	P	25mg	63279-14-1
ASB-00018235-100	REBAUDIOSIDE E	P	100mg	63279-14-1

Part Number	Product Description	Grade	Size	CAS Number
ASB-00018310-010	REBAUDIOSIDE E	CRM	10mg	63279-14-1
ASB-00018305-005	REBAUDIOSIDE F	P	5mg	438045-89-7
ASB-00018305-010	REBAUDIOSIDE F	P	10mg	438045-89-7
ASB-00018311-010	REBAUDIOSIDE F	CRM	10mg	438045-89-7
ASB-00018236-005	REBAUDIOSIDE G	P	5mg	127345-21-5
ASB-00018236-010	REBAUDIOSIDE G	P	10mg	127345-21-5
ASB-00018236-025	REBAUDIOSIDE G	P	25mg	127345-21-5
ASB-00018236-100	REBAUDIOSIDE G	P	100mg	127345-21-5
ASB-00018312-010	REBAUDIOSIDE G	CRM	10mg	127345-21-5
ASB-00018240-005	REBAUDIOSIDE I	P	5mg	1220616-34-1
ASB-00018240-010	REBAUDIOSIDE I	P	10mg	1220616-34-1
ASB-00018240-100	REBAUDIOSIDE I	P	100mg	1220616-34-1
ASB-00018241-005	REBAUDIOSIDE J	P	5mg	1313049-59-0
ASB-00018241-010	REBAUDIOSIDE J	P	10mg	1313049-59-0
ASB-00018313-010	REBAUDIOSIDE J	CRM	10mg	1313049-59-0
ASB-00018234-005	REBAUDIOSIDE M	P	5mg	1220616-44-3
ASB-00018234-010	REBAUDIOSIDE M	P	10mg	1220616-44-3
ASB-00018234-025	REBAUDIOSIDE M	P	25mg	1220616-44-3
ASB-00018234-100	REBAUDIOSIDE M	P	100mg	1220616-44-3
ASB-00018314-010	REBAUDIOSIDE M	CRM	10mg	1220616-44-3
ASB-00018232-005	REBAUDIOSIDE N	P	5mg	1220616-46-5
ASB-00018232-010	REBAUDIOSIDE N	P	10mg	1220616-46-5
ASB-00018232-025	REBAUDIOSIDE N	P	25mg	1220616-46-5
ASB-00018232-100	REBAUDIOSIDE N	P	100mg	1220616-46-5
ASB-00018315-010	REBAUDIOSIDE N	CRM	10mg	1220616-46-5
ASB-00018233-005	REBAUDIOSIDE O	P	5mg	1220616-48-7
ASB-00018233-010	REBAUDIOSIDE O	P	10mg	1220616-48-7
ASB-00018233-025	REBAUDIOSIDE O	P	25mg	1220616-48-7
ASB-00018233-100	REBAUDIOSIDE O	P	100mg	1220616-48-7
ASB-00018412-005	RUBUSOSIDE	P	5mg	64849-39-4
ASB-00018412-010	RUBUSOSIDE	P	10mg	64849-39-4
ASB-00018412-025	RUBUSOSIDE	P	25mg	64849-39-4
ASB-00018412-100	RUBUSOSIDE	P	100mg	64849-39-4
ASB-00018955-250	SACCHARIN	P	250mg	81-07-2
ASB-00018955-100	SACCHARIN	P	100mg	81-07-2
ASB-00019213-005	SIAMENOSIDE I	P	5mg	126105-12-2
ASB-00019213-010	SIAMENOSIDE I	P	5mg	126105-12-2
ASB-00030120-005	STEVIA (STEVIA REBAUDIANA) LEAF	RGBRM	5g	N/A
ASB-00030121-005	STEVIA (STEVIA REBAUDIANA) LEAF	XRM	5g	N/A
KIT-00019565-005	STEVIA, COMPLETE STANDARDS KIT	P	5mg	N/A

Part Number	Product Description	Grade	Size	CAS Number
KIT-00019565-010	STEVIA, COMPLETE STANDARDS KIT	P	10mg	N/A
KIT-00019568-005	STEVIA JECFA STANDARDS KIT	P	5mg	N/A
KIT-00019568-010	STEVIA JECFA STANDARDS KIT	P	10mg	N/A
ASB-00019352-005	STEVIOL	P	5mg	471-80-7
ASB-00019352-010	STEVIOL	P	10mg	471-80-7
ASB-00019352-025	STEVIOL	P	25mg	471-80-7
ASB-00019352-100	STEVIOL	P	100mg	471-80-7
ASB-00019376-010	STEVIOL	CRM	10mg	471-80-7
ASB-00019349-005	STEVIOLBIOSIDE	P	5mg	41093-60-1
ASB-00019349-010	STEVIOLBIOSIDE	P	10mg	41093-60-1
ASB-00019349-025	STEVIOLBIOSIDE	P	25mg	41093-60-1
ASB-00019349-050	STEVIOLBIOSIDE	P	50mg	41093-60-1
ASB-00019349-100	STEVIOLBIOSIDE	P	100mg	41093-60-1
ASB-00019351-001	STEVIOSIDE	P	1g	57817-89-7
ASB-00019351-005	STEVIOSIDE	P	5mg	57817-89-7
ASB-00019351-010	STEVIOSIDE	P	10mg	57817-89-7
ASB-00019351-025	STEVIOSIDE	P	25mg	57817-89-7
ASB-00019351-050	STEVIOSIDE	P	50mg	57817-89-7
ASB-00019351-250	STEVIOSIDE	P	250mg	57817-89-7
ASB-00019353-001	STEVIOSIDE	AS	1g	57817-89-7
ASB-00019353-010	STEVIOSIDE	AS	10mg	57817-89-7
ASB-00019353-050	STEVIOSIDE	AS	50mg	57817-89-7
ASB-00019353-250	STEVIOSIDE	AS	250mg	57817-89-7
ASB-00019377-010	STEVIOSIDE	CRM	10mg	57817-89-7
ASB-00019383-100	SUCRALOSE	P	100mg	56038-13-2
ASB-00019382-001	SUCROSE	P	1g	57-50-1
ASB-00019381-001	SUCROSE	RG	1g	57-50-1
ASB-00019381-100	SUCROSE	RG	100mg	57-50-1
ASB-00019382-005	SUCROSE	P	5g	57-50-1
ASB-00024850-001	XYLITOL	P	1g	87-99-0

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