

Cherry Powder



The sensuality of a little red fruit for gentle exfoliation

The Cherry...a red pearl throughout the ages



Even if the land of origin of the cherry tree remains uncertain to this day, it was already present in Europe 3,000 years before our times: according to certain elements encountered in lakeside Swiss cities from the Stone Age, our Neolithic ancestors were making wine from cherries before they turned their attention to grapes, better suited to this type of transformation.

Migratory birds coming from the East are believed to have spread the pits during flight, thus sowing the first wild cherry trees. Legend has it that Lucillus, a Roman general, was the first to bring cherry trees from Cerasos, a city located on the Black Sea in which the trees were abundant and which inspired their name. Whatever really happened, it was certainly the Romans who first spread the cherry tree throughout their empire, the fruit forming part of the typical diet of legionnaires.

In the Middle Ages, cherries were highly popular in France, England, Germany and, from the formation of the colonies, they were introduced into North America.

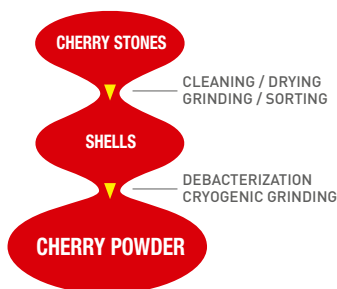
By the Renaissance, people already understood how to obtain early cherries. Louis XV, a great lover of cherries, encouraged the growing and development of new varieties. And at the end of the 19th century, Montmorency was famed for its cherry harvests: Parisians would flock to the town at harvest time to taste the sour, fragrant cherries.

The cherry tree has a spontaneous ability to cross pollinate, and natural hybridization quickly produced new fruits. There are currently over 600 varieties, all coming from two original stocks.

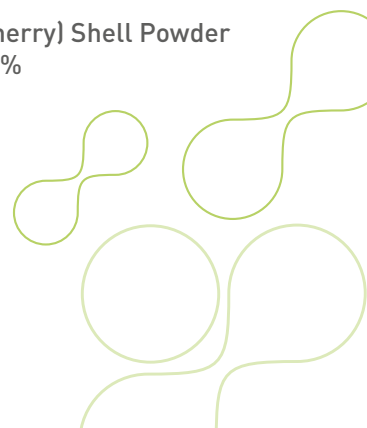
A delectable exfoliant

Made by grinding the pits of the Montmorency cherry, cherry powder is a new, exfoliating ingredient that, thanks to its delicacy, is suitable for all types of skin.

Available as a shower gel, face or body scrub, it washes away impurities, restores radiance to the skin, softens, evens out tone and makes it easier for beauty care products to penetrate.

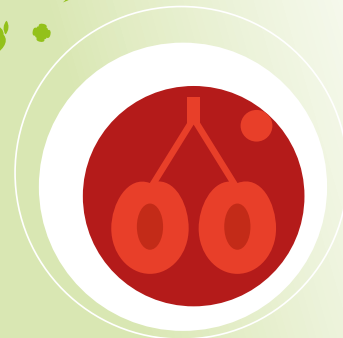


APPLICATION: face and body exfoliation
 DESCRIPTION: Fine, beige-coloured powder with a light sweet almond fragrance
 INCI NAME: Prunus Cerasus (Bitter Cherry) Shell Powder
 RECOMMENDED USAGE DOSE: 1 to 10%





Cherry Powder



An innovative procedure

Firstly, the pits are washed in water and brushed, so as to eliminate any residual traces of flesh. They are then dried, crushed and sorted so as to eliminate the kernels.

The various micro-organisms that might be present on the shells obtained in this way are eliminated using the innovative Vibrating Electrical Elevator and Reactor technology, which combines transport by vibration and induction heating technology.

They are then cryogenically ground so as to obtain a powder, the granulometry of which is an average of 300 µm, with a Gaussian distribution of between 150 and 500 µm. The cryogenic grinding makes it possible to achieve temperatures sufficiently low to harden and weaken the substances to be ground, while avoiding thermal degradation.

The quality and effectiveness of these technologies make it possible to guarantee the optimum microbiological and physico-chemical properties of the cherry powder.

An ingredient approved by Ecocert

The technologies employed in the manufacture of the cherry powder are clean for the environment and eligible for Ecocert approval. This ingredient is thus approved for the formulation of certified finished products.

Formulation

NATURAL CHERRY FACE SCRUB (O/W)

I	CETEARYL ALCOHOL (AND) CETEARYL GLUCOSIDE	6%
	CETEARYL ALCOHOL	4%
	CAPRYLIC/CAPRIC TRIGLYCERIDE	7%
	BUTYROSPERMUM PARKII (SHEA BUTTER)*	2%
	PRUNUS ARMENIACA KERNEL OIL (APRICOT KERNEL OIL)*	2%
	DICAPRYLYL CARBONATE	3%
	TOCOPHEROL	0,2%
II	AQUA (WATER)	up to 100%
	MELISSA OFFICINALIS WATER*	10,22%
	GLYCERIN	1%
	XANTHAN GUM	0,3%
III	PRESERVATIVE	0,8%
	GLYCERIN (AND) CI 77491 (IRON OXIDES) (AND) SILICA	1,2%
IV	SODIUM HYDROXIDE	0,003%
V	PARFUM (FRAGRANCE)	0,25%
	SILICA	2%
	PRUNUS CERASUS (BITTER CHERRY) SHELL POWDER / EXPANSCIENCE	2%

PROTOCOL:

1. Heat phases I and II separately at 75°C.
2. When the 2 phases are homogenous, add phase I to phase II under rotor-stator type shear agitation.
3. Towards 60°C-55°C, add phase III.
4. Cool to 35°C and adjust the pH to 5.00-6.00 if necessary with phase IV.
5. At 25°C, under moderate stirring, add phase V.

* BIO - Ecocert

All ingredients are approved by Ecocert

This formula has been subjected to limited stability tests, which have produced good results. We recommend that the formulation is tested before being put on sale and that the existence of any conflicting patents is checked.

www.expanscience-ingredients.com

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