

LEE'S BIOTECHNIQUES CO., LTD.

6Fl, No.700, Zhongzheng Rd., Zhonghe District, New Taipei City, 235, Taiwan.

Tel : 886-2-82278987(3lines) \* Fax: 886-2-82278756 & 82280740

E-mail : [leeschem@ms15.hinet.net](mailto:leeschem@ms15.hinet.net) \* [info@leesbiol.com.tw](mailto:info@leesbiol.com.tw)

## Technical Data Sheet

### OKRA EXTRACT – BG

**INCI name: Water and Butylene Glycol and Abelmoschus Esculentus Fruit Extract**

**C. A. S. : 7732-18-5 & 107-88-0 & 91723-07-8**

**Einecs: 231-791-2 & 203-529-7 & 294-510-2**



Okra or okro (US /<sup>l</sup>oʊkrə/ or UK /<sup>l</sup>ɒkrə/), known in many English-speaking countries as ladies' fingers, ochro or gumbo, is a flowering plant in the mallow family. It is valued for its edible green seed pods. The geographical origin of okra is disputed, with supporters of West African, Ethiopian, and South Asian origins. The plant is cultivated in tropical, subtropical and warm temperate regions around the world. Okra is a popular health food due to its high fiber, vitamin C, and folate content. Okra is also known for being high in antioxidants. Okra is also a good source of calcium and potassium.

#### **Cosmetic Benefits:**

1. Okra contains a large number of antioxidants like quercetin, catechin, epicatechin, procyanidin and rutin. So, it has strong anti-oxidant effect.
2. Vitamin C found in okra helps maintain a younger looking skin. It aids in repairing the body tissues. This, in turn, helps keep your skin younger and also makes it look more vibrant.
3. Prevents Skin Pigmentation, the nutrients found in okra actually help prevent skin pigmentation. It is useful for rejuvenating your skin and repairing damages.
4. Okra is an excellent moisturizer for the skin. It leaves the skin feeling soft and smooth. It is very good moisturizing film former.
5. Bouncy Hair, using okra can get the bounce back, the transparent mucilage can be used to get your bouncy hair back.
5. The same mucilage can be used as a hair conditioner. Wash your hair and squeeze out the excess water. Massage the watery mucilage through their hair and rinse thoroughly with water.

6. It is an excellent moisturizer for the dry and itchy scalp. It leaves the hair feeling soft and isn't harmful like the other cosmetics available in the market. It is great for people with unruly, curly and lifeless hair.
7. Okra improves the overall scalp condition and fights dandruff. It moisturizes the scalp and keeps dandruff away.
8. When used as a hair rinse, gives great shine to the hair.

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## Technical Data Sheet

<b>Product:</b>	Okra Extract
<b>Botanical Name:</b>	Abelmoschus Esculentus
<b>INCI name (CTFA/Linné):</b>	Water 20 - 70%
	Butylene Glycol 20 - 70%
	Abelmoschus Esculentus Fruit Extract 10 - 20%
<b>Parts Used:</b>	Fruit
<b>Composition:</b>	- Minerals (Potassium、Calcium、Ferrous、Zinc、Selenium) - Mucin
	- Unsaturated oil and fat (Linoleic Acid, Oleic Acid) - Pectine
	- Vitamin A & C - Proteins - Galactan
	- Arabogalactan - Galacturonorhamnan
<b>Plant Properties:</b>	- Anti-inflammatory - Antioxidant
	- Emollient - Moisturizer
<b>Solvent of Extraction:</b>	1,3-Butylene Glycol & Water
<b>Ratio of Extraction:</b>	5 : 1
<b>Preservatives:</b>	0.4% Potassium Sorbate & 0.5 Phenoxyethanol (other system on request)
<b>Analytical Data:</b>	
<b>Aspect:</b>	clear to light green-yellow colored liquid
<b>Odor:</b>	faint herbal odor
<b>pH-Value:</b>	4,5 - 6,5
<b>Proof of Identity:</b>	HPLC
<b>Bacteriological Control:</b>	max. 100 germs/ml
<b>Heavy Metals (DAB 8):</b>	max. 1 ppm
<b>Refraction Index:</b>	1,400 - 1,450 (20°C)
<b>Density:</b>	1,000 - 1,060 (20°C)
<b>Viscosity:</b>	> 60 mPa.s (20°C/Viscotester VT-02)
<b>Solubility:</b>	in water clear soluble

**Dosage/Use:** 1 - 10% in cosmetic products

**Storage:** at temperature of 10°-25°C in closed containers, protected from light.

**Shelf life:** at least 30 months.

**CAS-No. :** 7732-18-5 & 107-88-0 & 91723-07-8

**EINECS-No. :** 231-791-2 & 203-529-7 & 294-510-2

All our extracts are filtered clear after fabrication. It is generally accepted, that a longer period of storage may cause sediments. These, however, influence neither the quality nor the usability of the extract, and are no reason for complaints. These informations are given to the best of our knowledge, as an advice for our customers, and without any legal liability.