



Technical data sheet

BNB-G368NEX

A combination of multifunctional and natural ingredients to achieve the best preservative systems

BNB-G368NEX

Natural propanediol / 1,2-Hexanediol / Caprylyl glycol / Illicium Verum

General Information

BNB-G368NEX is a multifunctional cosmetic additive based on 1,3-Propanediol, 1,2-Hexanediol, Caprylyl Glycol and Illicium Verum(Anise) Fruit Extract. Its unique properties make it suitable for use in a wide range of cosmetic applications.

It combines the excellent skin care and deodorizing properties of Caprylyl Glycol with the moisturizing and antimicrobial properties of 1,2-Hexanediol, and 1,3-Propanediol.

BNB-G368NEX is a mild humectant and skin emollient with a unique skin feelings. Additionally, it can contribute to the antimicrobial stability of cosmetic formulations. It can also be used as natural ingredients for cosmetic broad spectrum preservatives.

Cost-saving effect due to low Dosage and certain preservative effect compared to expensive natural preservatives.



PATENTED PRODUCT OF B&B

Advantage

- Irritant inducing factor
- Outstanding antimicrobial effect, moisturizing effect
- Good compatibility with formulation
- Control of odor inducing factor with mix with water
- Hard water-resistance
- Filtering system for high purity

Application

- Rinse-off Product
- Skin care product
- Personal care
- Suitable for sensitive skin

Chemical Information



Illicium Verum

INCI Name	1,3-Propanediol 1,2-Hexanediol Caprylyl Glycol Illicium Verum Fruit Extract
Cas Number EC Number	504-63-2 6920-22-5 1117-86-81 84650-59-9
Recommended Dosage	0.5~0.7%
Applicable pH Range	Effective 6~8

Specification



Test item	Limits	Method
Appearance	Colorless clear liquid	Visual inspection
Odor	Characteristic, Mild	Sensory evaluation
Purity	Not less than 99.0%	GC Chromatography
Moisture	Not more than 0.5%	Karl-Fischer
Specific Gravity	0.936~0.946	Hydrometer Set
Refractive Index	1.441~1.453	Refractometer
Heavy Metal	<20ppm	ICP(KTR, SGS)

Safety notice

Eye irritation notice

Packing & Shelf Life

15 kg can type
2 years from manufacturing date

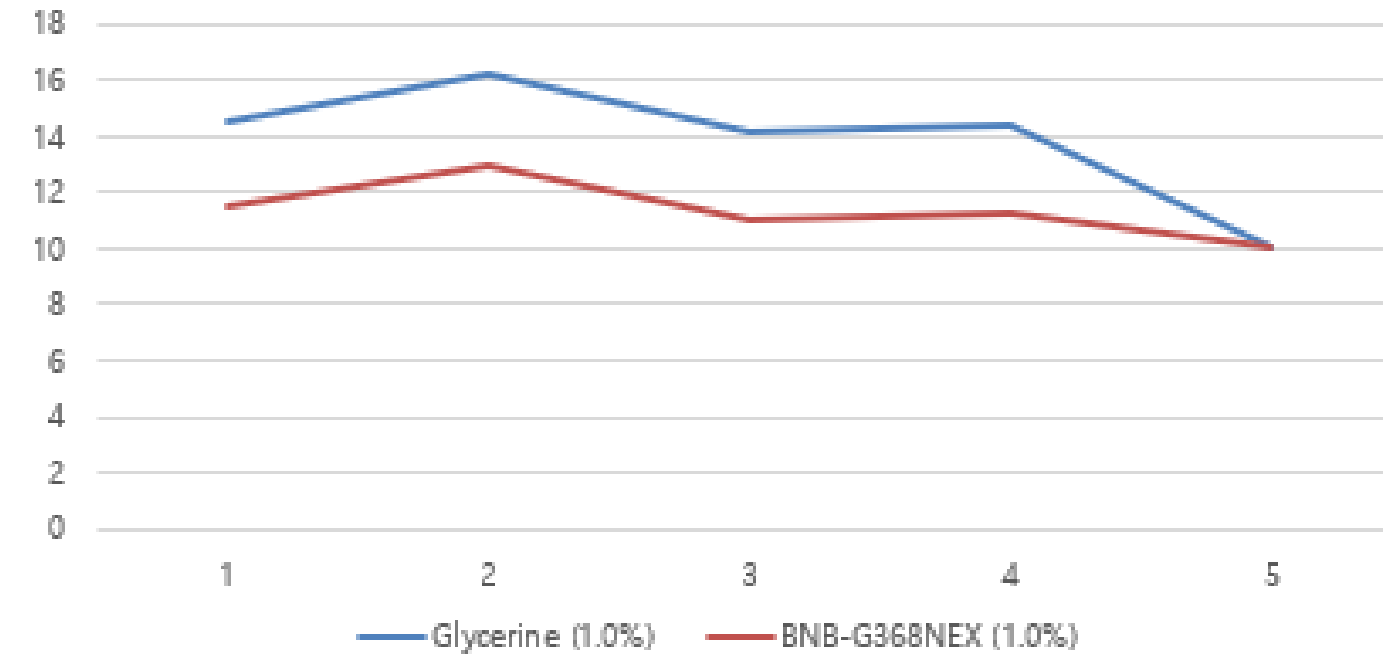
MOQ

480 with a pallet

Storing method

Standard 10~30% room temperature

Reference



Moisturizing Test compared to Glycerine 1%

When compare the moisturizing effect of 1.0% BNB-G368NEX and the moisturizing effect of 1.0% Glycerine, can see that It makes only few difference.

Item	24 Hours 1일					48 Hours 2일				
	(+ -)	1 +	2 +	3 +	4 +	(+ -)	1 +	2 +	3 +	4 +
BNB-G368NEX (첨가량 0.5%)	-	-	-	-	-	-	-	-	-	-
BNB-G368NEX (첨가량 1.0%)	-	-	-	-	-	-	-	-	-	-

Skin irritation Test for 48 hours

BNB-G368NEX is Free of Oxiranes and Peroxides. When conduct a irritation test with 0.5% and 1.0% of BNB-G368NEX, There is no reaction in the result. It means that BNB-G368NEX is safe matter



Do our Best, Be the Best!

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Reference Source

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Company detail