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Α			NOMENCLATURE						
A	1		Trade Name	HYALURAMIN	E				
Α	2		Vevy codex	17.0255					
A	3		Chemical description	Biological precursor of mucopolysaccharides.					
	3		Chemical description	Glucosaminoglycans fraction with catalyst to promote the moisturizing effect.					
Α	4		Registrations						
Α	4	1	INCI name	Hydrolyzed Glycosaminoglycans					
Α	4	2	CAS No	156715-51-4					
Α	4	3	EC No	1	1				
Α	4	4	DIIC No	580400					
Α	4	5	FDA CRMCS No	R-0013116 <sup>*</sup>					
Α	5		Available on the market	Since 1963					
Α	6		Total Quality Assurance	DCG [Dermo&Cosmetic Grade].					
				[see page 5]					
Α	7		REACH position	In compliance					
В			USE						
В	1		Use levels	0.1% - 1% in creams, lotions, aqueous or alcohol-water face, hair tonics and in creams used to smoothen the rough areas of the skin (knee, elbow, foot).					
В	2		Applications	Products for ageing skin; skin care, sunscreen, after shave, hair care, make-up and depilatory preparations.					
В	3		Properties	Hyaluramine hydrophilic and lipophilic characteristics, when adequately incorporated into the right carrier, and the low molecular weight allow full absorption through the skin where it is utilized to improve moisture (Vevy Experimental References).					
С			IDENTIFICATION						
С	1		Analytical data						
С	1	1	Appearance	Crystalline powder					
С	1	2	Odour	Odorless					
С	1	3	Colour	White					
С	1	6	Solubility	Water, alcohol-water and glycerol-water solutions. Partially soluble in ethanol.					
С	1	7	pH	[Disp. H <sub>2</sub> O 10%, 20°C]: 3.0 – 5.0 [Method: pHmeter Hanna Instrument HI 8417/pHmeter 212 - Mettler Toledo InLab 412]					
С	1	24	Preservatives	None					
С	1	30	Loss on drying	< 0.2% [Method: weight 1g sample in a weighing bottle, dried at 105°C for 2 hours]					
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С	1	49	Iron	< 10 ppm [Method ICP - 6010C]				
С	1	51	Lead	< 5 ppm [Method	ICP - 6010C]			
С	2		Microbiology					
С	2	1	Total microbial count	0 – 100 CFU/g				
С	2	2	Pathogens	None				
D			STANDARD CHARTS					
D	2		I.R.	See page 5				
Е			STORAGE					
Е	1		Industrial packing	Kg 5 - 25				
Е	2		Storage conditions	should be incorpemulsification be incompatibility verterasodium EDT hydroxide). Its wearlier years of possible store in the origin cool place. Once prevent secondar chemical side reaproducts of degrap prohibited or liable (in accordance with heated up to 183° for producing harms.)	Hyaluramine is thermolabile, consequently it should be incorporated in preparations after emulsification below 45°C. Hyaluramine shows incompatibility with some alkaline agents (e.g. tetrasodium EDTA, triethanolamine and sodium hydroxide). Its weakness to light, observed in the earlier years of production, has been eliminated. Store in the original sealed containers in a clean, dark, cool place. Once the container is opened take care to prevent secondary microbial contamination and/or chemical side reaction. As such and as possible products of degradation, it is not included in the list of prohibited or liable to restricted utilization substances (in accordance with EU Directive CE1223/2009). When heated up to 183°C, it does not cause reactions liable for producing harmful effects in any way to persons and equipment (in accordance with Italian Ministry of Labour			
Н			REFERENCES					
Н	1		Remarks	occur at any time and in compliance information conta valuable for qualificonstrued as sugmake no warranty such information, from its use. User	upplied data and informed due to updated science with Italian, EU and ined in this data she fied technicians, should make their suitability of this informed in the information of the i	entific research ad USA laws. The eet, although ould not be minate use. We lied, with respect to liability resulting r own investigation		
Н	2		Bibliography					

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- \* "The FDA Cosmetic Raw Material Composition Statement number is assigned for raw material identification purposes only and does not in any way denote approval of the firm or the raw material by the Food and Drug Administration." (see 21 CFR 720.9 b)



The DCG® trademark (Dermo Cosmetic Grade) identifies the highly specialized products of Vevy Europe Fine Chemical division and certifies that each product is:

- Designed and developed for cutaneous application;
- Tested according to rigorous toxicological, cryptotoxicological, enzymekinetic and dermatological activity protocols, and consequently, does not interfere with the biochemistry of the cutaneous apparatus:
- Up-dated on the basis of scientific progress;
- Compliant with national and international regulations.

These premises lead to the development of projects and products, regardless

of their source, that are characterized by:

- Safety (absence of harmful effects);
- Effectiveness (compliance with the promised and expected requirements);
- Stability (persistence of the stated characteristics).

Each ingredient is presented in a wrapping of specialized services, which range from its scientific and technical documentation to the specific and qualified support for its proper use.

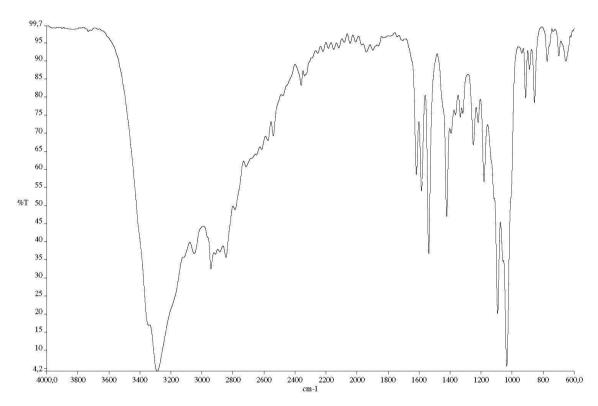
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D 2 I.R.



Spectrum IR 17.0255 Hyaluramine batch 46968UA