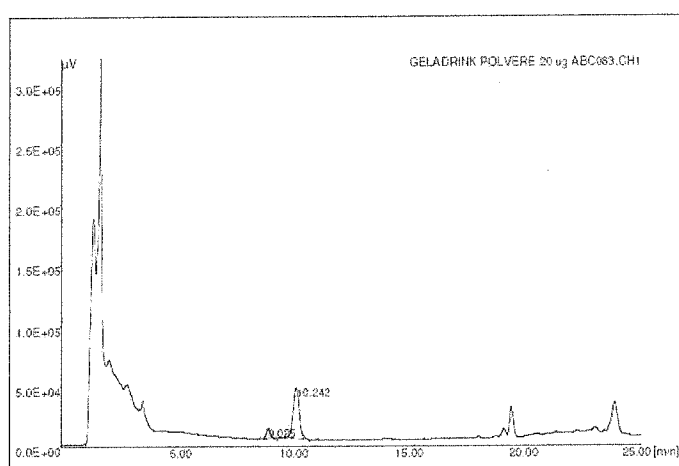


Università degli studi di Modena e Reggio Emilia
DIPARTIMENTO di Scienze della Vita
 Via Campi 213/D
 Tel. 0039 (0)59 2055543; Fax 0039 (0)59 2055548; e-mail: volpi@unimo.it

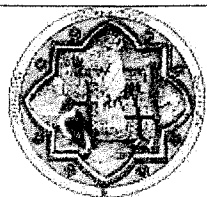


Sample CS batch GELADRINK FORTE powder

The sample has been analyzed by eHPLC for the determination of the chondroitin sulfate unsaturated disaccharides.



SAX-HPLC	CS CONTENT versus label declared
0s = nd	Electrophoresis = 97.6% w/w
6s = 12.6%	SAX-HPLC = 99.2 w/w
4s = 87.4%	
Disulfated dis = 0.0%	
Charge density = 1.00	
4s/6s = 6.94	



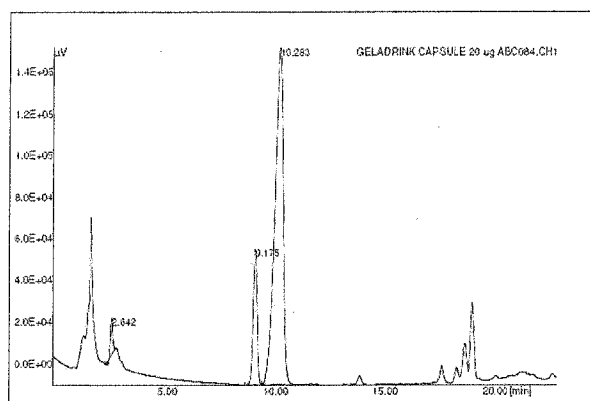
Università degli studi di Modena e Reggio Emilia
DIPARTIMENTO di Scienze della Vita
Via Campi 213/D

Tel. 0039 (0)59 2055543; Fax 0039 (0)59 2055548; e-mail: volpi@unimo.it

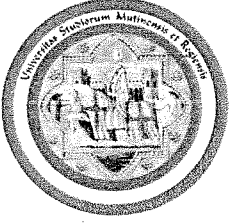


Sample CS batch GELADRINK FORTE capsules

The sample has been analyzed by eHPLC for the determination of the chondroitin sulfate unsaturated disaccharides.



SAX-HPLC	CS CONTENT versus label declared
0s = 2.3%	Electrophoresis = 102.2% w/w
6s = 15.7%	SAX-HPLC = 100.7 w/w
4s = 82.0%	
Disulfated dis = 0.0%	
Charge density = 0.98	
4s/6s = 5.22	

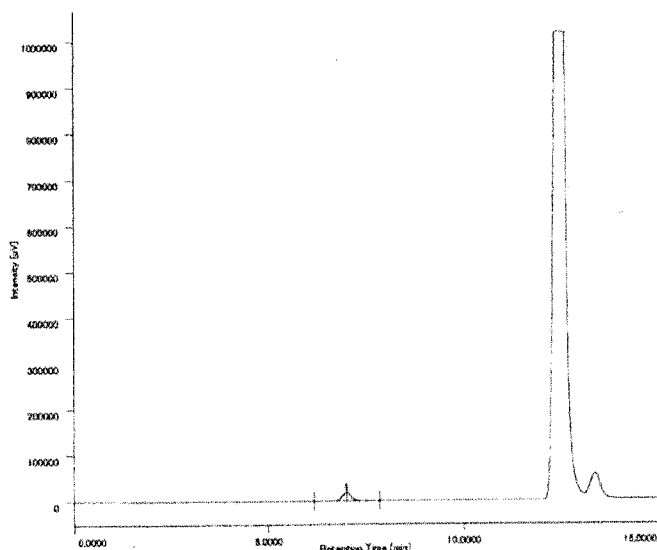
	Università degli Studi di Modena e Reggio Emilia Dipartimento di Biologia Via Campi, 213/D, 41100 Modena Tel 059 205-5526 Fax 059 205-5548
---	--

Modena, 07.10.17

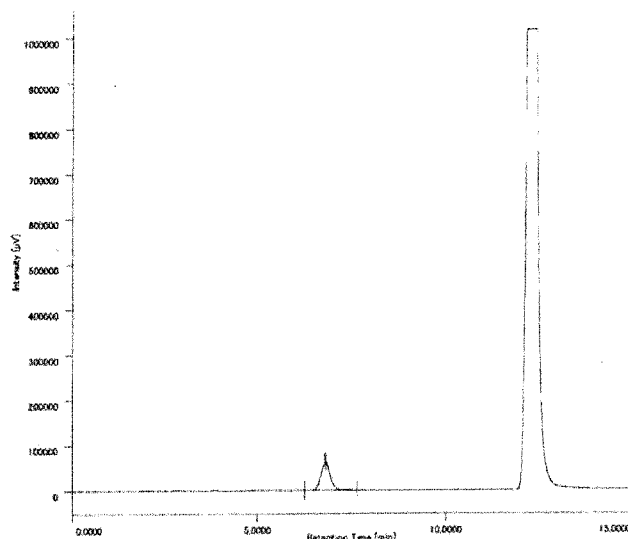
ANALYTICAL REPORT

Sample batch GELADRINK FORTE powder and GELADRINK FORTE capsules

The sample has been analyzed by HPLC



GELADRINK FORTE powder



GELADRINK FORTE capsules

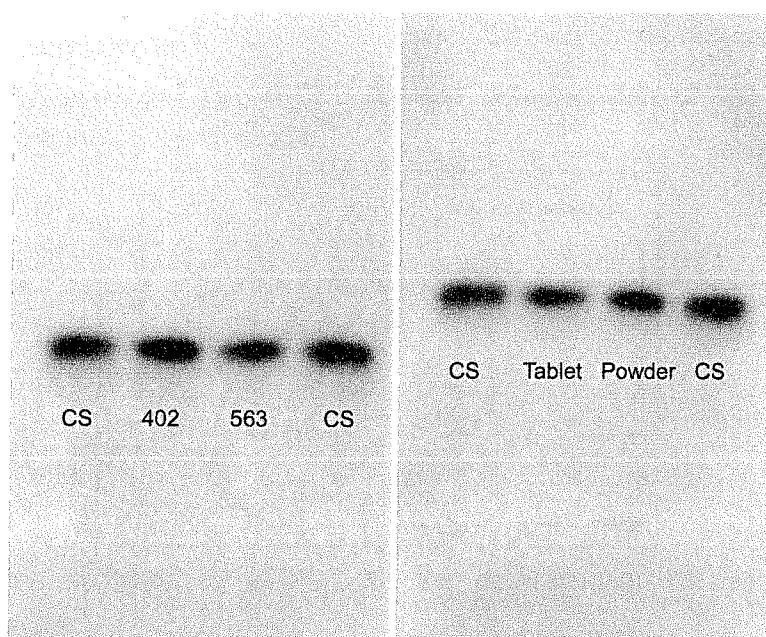
	Glucosamine Sulphate 2KCl CONTENT versus label declared
GELADRINK FORTE powder	99.3%
GELADRINK FORTE capsules	98.0%

Prof. Nicola Volpi
 University of Modena and Reggio Emilia
 Department of Life Sciences
 Biological Chemistry section
 Via Campi 213/d, 41100 Modena, Italy

Nicola Volpi

	<i>Università degli studi di Modena e Reggio Emilia</i> DIPARTIMENTO di Scienze della Vita Via Campi 213/D Tel. 0039 (0)59 2055543; Fax 0039 (0)59 2055548; e-mail: volpi@unimo.it	
---	---	---

Samples have been analyzed by ACE electrophoresis according to US Pharmacopeia for chondroitin sulfate content and purity.



All above reported analyses have been performed against the European CS Pharmacopeia Standard >98% pure.

Prof. Nicola Volpi
Associate Professor of Biochemistry
University of Modena and Reggio Emilia
Department of Life Sciences
Via Campi 213/d, 41100 Modena, Italy

Nicola Volpi