

## SPECIFICATION DATA SHEET

# FaraHyal HAC-XXS (<10) KDa

EU INCI name	US INCI name	CAS n.	EC n.
HYALURONIC ACID	HYALURONIC ACID	9004-61-9	232-678-0

ANALYTICAL SPECIFICATION			
Parameter	Unit	Requirement	Method
PHYSICAL-CHEMICAL			
Aspect	-	Powder	Comparison with the standard
Color	-	White	Comparison with the standard
Odor	-	Characteristic	Comparison with the standard
Molecular weight	kDa	<10	Calculated
Intrinsic Viscosity	dL/g	<0.47	S.H. Ph.Eur.Monograph
pH	i.u.	3,0 – 5,5	Ph.Eur.2.2.3
Transparency	T <sub>550nm</sub>	≥ 99%	Ph.Eur.2.2.25
Loss on drying	%	≤ 10.0	Ph.Eur.2.2.32
Protein	%	≤ 0.1	S.H. Ph.Eur.Monograph
Ashes	%	≤ 13	S.H. Ph.Eur.Monograph
Hyaluronic Acid assay	%	≥ 91	S.H. Ph.Eur.Monograph
Glucuronic acid assay	%	≥ 42	S.H. Ph.Eur.Monograph
MICROBIOLOGICAL			
Total bacterial count	CFU/g	≤ 100	Ph.Eur.2.6.12
Total yeast and mould count	CFU/g	≤ 100	Ph.Eur.2.6.12
<i>Staphylococcus aureus</i>	/g	Negative	Ph.Eur.2.6.13

<i>Pseudomonas Aeruginosa</i>	/g	Negative	Ph.Eur.2.6.13
<i>Escherichia coli</i>	/g	Negative	Ph.Eur.2.6.13
<i>Candida Albicans</i>	/g	Negative	Ph.Eur.2.6.13
<b>OTHER DATA NOT SUBJECTED TO ANALYTICAL CERTIFICATION</b>			
<b>Parameter</b>	<b>Unit</b>	<b>Typical result</b>	
Heavy Metal	ppm	$\leq 10$	
Arsenic	ppm	$\leq 0.5$	
Lead	ppm	$\leq 1.0$	
Mercury	ppm	$\leq 0.1$	
Cadmium	ppm	$\leq 0.3$	
Residual Solvent	ppm	$\leq 5.000$	

**Storage:** keep the product in the original container well closed in fresh and dry place, repaired from humidity, light or heat sources.

**Period of best use:** 24 months from production date, in sealed original container, if stored as described above.

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