

**NABSOLUTE**

Date of issue: 24 June 2024

Revision date: 24 June 2024

Revision: 00

SPECIFICATION

Trade name : HyaSphereX™

Shelf-life : 24 months

Storage : Store the product in a well closed container

List	Specification	Unit	Test Method
General Properties			
Appearance at 25°C	Colorless solution	-	Visual evaluation
Odor	Odorless	-	Visual evaluation
pH	4.0 – 7.0	-	pH meter
Density	0.95 – 1.20	g/cm ³	In house
Identification			
¹ H NMR spectroscopy	Conform to structure	-	NMR spectrometer
Degree of grafting	4.0 – 7.0	%	In house
Appearance at 30°C	Slightly Translucent liquid	-	Visual evaluation
Appearance at 40°C	Translucent liquid	-	Visual evaluation
Particle size*	150 – 700 nm	nm	Nanoparticle tracking analysis (NTA)
Impurity			
Heavy metals	Not more than 20 ppm	ppm	In house
Microbial Test			
Total aerobic plate count	Not more than 100 CFU/mL	CFU/mL	In house
Total yeast and mold count	Not more than 10 CFU/mL	CFU/mL	In house

*After reconstituted with water at 0.01% w/v

The above data were obtained using the test indicated and is subject to the deviation inherent in the test method. All tests, except the appearance of the solution at 30°C and 40°C, were performed at room temperature (25°C). Results may vary under other test methods or conditions.

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.

Copyright © by Nabsolute Co., Ltd. All rights reserved. No part of this document may be reproduced or used in any manner without written permission of the copyright owner.