

Hyaluronic Acid

*One Range of Hyaluronic Acid,
Multiple Skin Benefits*



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Biotech | Nature, enhanced by science

dsm-firmenich 

Hyaluronic Acids

*One Range of Hyaluronic Acids,
Multiple Skin Benefits*

HYALURONIC ACID-BT/ HYASOL PF · *High Molecular Weight*

HYALURONIC ACID MMW · *Medium-High Molecular Weight* **NEW!**

HYA-ACT™ M · *Medium Molecular Weight*

HYA-ACT™ S · *Small Molecular Weight*

HYA-ACT™ XS · *Very Small Molecular Weight*

dsm-firmenich hyaluronic acid portfolio

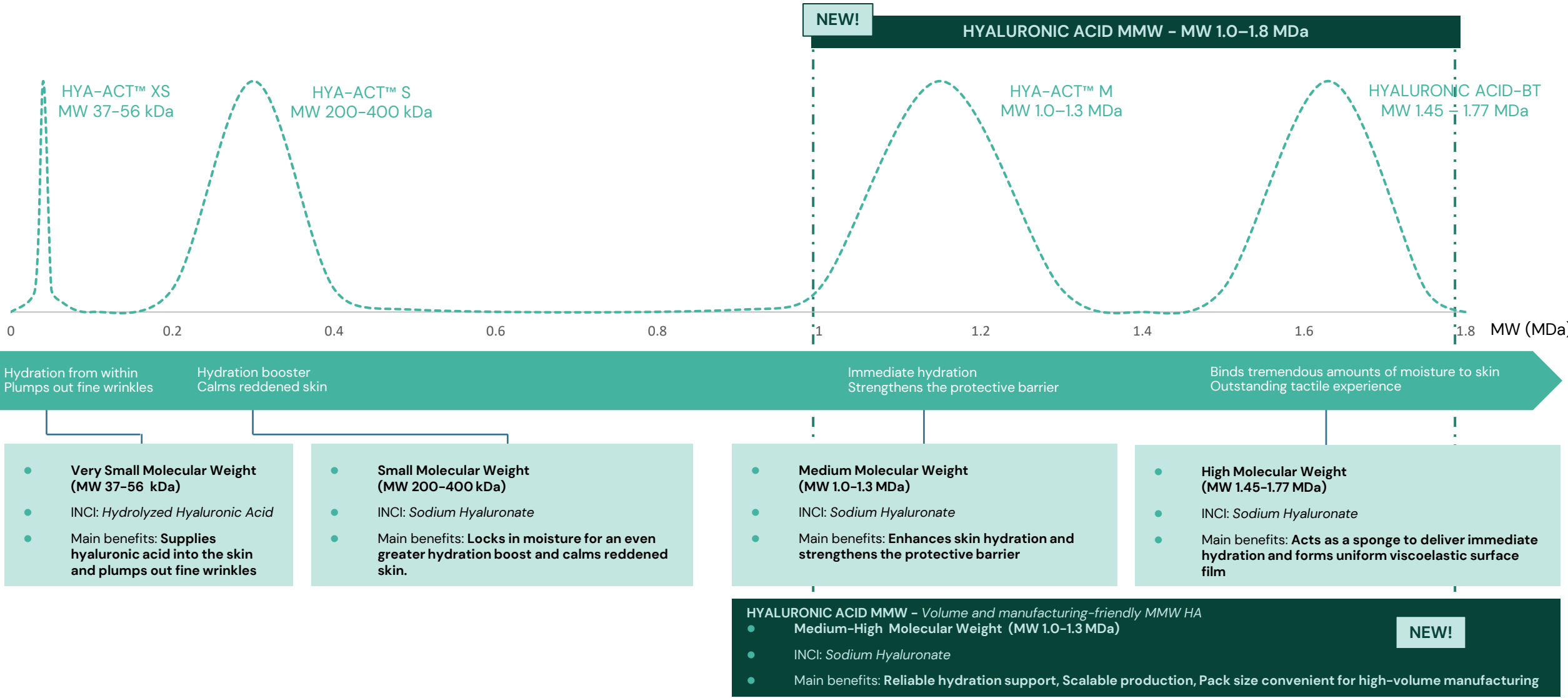
Different sizes for different benefits

Product	Molecular Weight (MW)	INCI name	Physical Form	Biotech process	Sugar Origin	Benefits
HYALURONIC ACID-BT	High MW 1.45–1.77 Mda	Sodium Hyaluronate	Powder	Fermentation	Beet root	- Acts as a sponge to deliver immediate hydration and forms uniform viscoelastic surface film. - Outstanding tactile experience and skin revival immediately after application.
HYASOL™ PF	High MW 1.45–1.77 Mda	Sodium Hyaluronate	Liquid	Fermentation	Beet root	- Ready to use 1% aqueous solution of HYALURONIC ACID BT. - Same benefits as HYALURONIC ACID BT.
HYALURONIC ACID MMW	Medium-High MW 1.0–1.8 Mda	Sodium Hyaluronate	Powder	Fermentation	Corn seeds	- Reliable standard HA hydration performance. - Scalable solution for large-scale manufacturing. - Commercial 10 kg pack size.
HYA-ACT™ M	Medium MW 1.0–1.3 Mda	Sodium Hyaluronate	Powder	Fermentation	Corn seeds	- Provides immediate hydration - Strengthens the protective skin barrier by building a superior protecting film.
HYA-ACT™ S	Small MW 200 – 400 Kda	Sodium Hyaluronate	Powder	Fermentation	Corn seeds	- Acts as a hydration booster. - Lock in moisture for an even greater hydration boost and calms reddened skin.
HYA-ACT™ XS	Very small MW 37 – 56 Kda	Hydrolyzed Hyaluronic Acid	Powder	Fermentation	Corn seeds	- Supplies hyaluronic acid into the skin and plumps out fine wrinkles. - Improves skin elasticity.

NEW!

dsm-firmenich hyaluronic acid portfolio

A powerhouse of different hyaluronic acid forms that delivers various consumer benefits



HYALURONIC ACID-BT

ID Card

INCI NAME:	Sodium Hyaluronate		
TECHNOLOGY:	Powerful high molecular (1.45–1.77 MDa) Hyaluronic acid, manufactured by biotechnological fermentation in Europe Derived from beet root – GMO free Fine granuled powder for easier handling 100% natural origin (ISO 16128)		
TECHNICAL:	Form: White powder or granules pH of use: 6.0–7.5	Use level: 0.01 – 1.00% Preservative: free	Solubility: Slowly but completely water soluble
BENEFITS:	• Acts as a sponge to deliver immediate hydration to the surface of skin • Forms uniform viscoelastic surface film • Binds tremendous amounts of moisture to skin • Outstanding tactile experience and skin revival immediately after application		
REGISTRATION CERTIFICATION	 Raw material verified by ECOCERT GREENLIFE, conform to the COSMOS Standard 		

HYASOL PF

ID Card

INCI NAME:	Sodium Hyaluronate, Aqua, Phenoxyethanol		
TECHNOLOGY:	1% aqueous solution of high molecular (1.45–1.77 MDa) HYALURONIC ACID–BT Highly convenient and ready-to-use 99.1% natural origin (ISO 16128)		
TECHNICAL:	Form: Clear to slightly opalescent, colorless, viscous solution pH of use: 4.0–10.0	Use level: 3–5% Preservative: Phenoxyethanol	Solubility: Water soluble
BENEFITS:	Same benefits as HYALURONIC ACID–BT		
REGISTRATION CERTIFICATION			

HYALURONIC ACID MMW

ID Card

INCI NAME:

Sodium Hyaluronate

TECHNOLOGY:

Pure, biotechnologically manufactured, medium – high molecular weight hyaluronic acid of 1.0–1.8 MDa
Derived from corn seeds
GMO free
100% natural origin (ISO 16128)

TECHNICAL:

Form: White, pale-yellow powder
pH of use: 4.0–11.0

Use level: 0.01–1%
Preservative: free

Solubility: Slowly but completely water soluble

BENEFITS:

- Reliable standard hyaluronic acid hydration performance
- Suitable for broad skin-care applications
- Production-friendly solution attractive for customers looking for larger commercial pack sizes
- Generates less dust, supporting easier use during production

REGISTRATION CERTIFICATION



Raw material verified
by ECOCERT
GREENLIFE, conform to
the COSMOS Standard



HYA-ACT™ M (Medium Molecular Weight)

ID Card

INCI NAME:	Sodium Hyaluronate		
TECHNOLOGY:	Pure, biotechnologically manufactured, medium molecular weight hyaluronic acid of 1.0 – 1.3 MDa Derived from sweet corn seeds GMO free 100% natural origin (ISO 16128)		
TECHNICAL:	Form: White powder to granules pH of use: 4.0–11.0	Use level: 0.01–1% Preservative: free	Solubility: Slowly but completely water soluble
BENEFITS:	- Provides immediate hydration : A single application enhances skin hydration up to 60% after just 1h.* - Strengthens the protective skin barrier, with an up to 26% reduction in TEWL after just 1h.* - Suitable for all kinds of facial and body care leave-on and rinse-off hydration products		

REGISTRATION
CERTIFICATION

Raw material verified by ECOCERT GREENLIFE, conform to the COSMOS Standard

* in vivo

HYA-ACT™ S (Small Molecular Weight)

ID Card

INCI NAME:	Sodium Hyaluronate		
TECHNOLOGY:	Biotechnologically manufactured, small molecular weight hyaluronic acid of 200 – 400 KDa Derived from sweet corn seeds GMO free 100% natural origin (ISO 16128)		
TECHNICAL:	Form: White or almost white powder to granules pH of use: 4.0–11.0	Use level: 0.01–1% Preservative: free	Solubility: Quickly and completely water soluble
BENEFITS:	• Acts as a hydration booster for thirsty skin* • Lock in moisture for an even greater hydration boost* • Calms reddened skin** • Suitable for all kinds of facial and body care leave-on and rinse-off hydration products		

REGISTRATION
CERTIFICATION

Raw material verified by ECOCERT GREENLIFE, conform to the COSMOS Standard

* in vitro ** in vivo

HYA-ACT™ XS (Very Small Molecular Weight)

ID Card

INCI NAME:	Hydrolyzed Hyaluronic Acid		
TECHNOLOGY:	Very small molecular weight hyaluronic acid of 37 – 56 KDa, obtained by bio-fermentation. Derived from sweet corn seeds GMO free 100% natural origin (ISO 16128)		
TECHNICAL:	Form: Off-white powder to granules pH of use: 4.0–11.0	Use level: 0.01–1% Preservative: free	Solubility: Quickly and completely water soluble
BENEFITS:	- Provides skin with a continuous burst of intense hydration and plumps out fine wrinkles* - Improved skin’s elasticity after just 15 days* - Suitable for all kinds of facial and body care leave-on and rinse-off hydration products - Recommended for anti aging serums and creams		
REGISTRATION CERTIFICATION	  COSMOS APPROVED Raw material verified by ECOCERT GREENLIFE, conform to the COSMOS Standard    		

* in vivo

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