



APPLICATION	Red grape maceration for elaboration of full-bodied wines.
DESCRIPTION	Granulated high concentration pectinase with full range of secondary activities. Origin : <i>Aspergillus niger</i> .

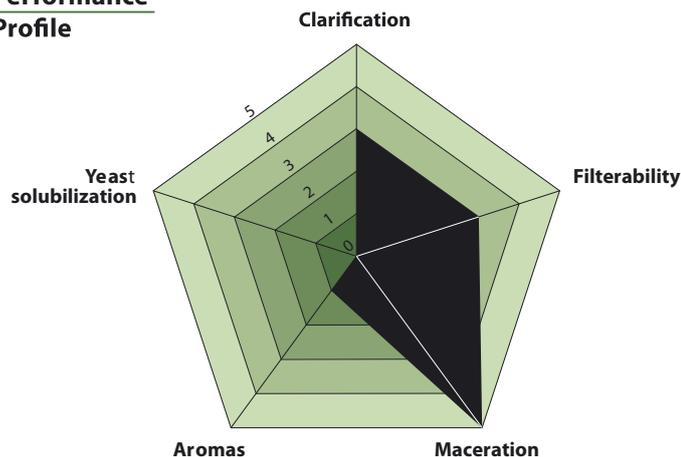
ACTIVITY AND MODE OF ACTION

LALLZYME EX-V is formulated to allow a rapid liberation of the intra-cellular contents due to the synergistic effect of concentrated pectinases: pectin lyase (PL), pectin esterase (PE) and polygalacturonase (PG), and the specific activity of selected secondary activities (cellulase, hemicellulases)

LALLZYME EX-V :

- Allows for a complete and rapid release of the anthocyanins,
- Allows for a more efficient release of tannins and their subsequent binding with the anthocyanins and greater colour stability of the wine,
- Increases the release of aromatic substances while respecting the varietal characteristics of the grape.
- Pectinase Activity 100 PL u/g, 800 PE u/g, 3500PG u/g
- Cinnamyl esterase activity Free

LALLZYME EX-V Performance Profile



DOSAGE

Application	Parameters (temperature/time)	Recommended dosage (g/100 kg)
Skin fermentation	18-28°C/2-8 days	1-2 g
Skin fermentation + maceration post fermentation	18-28°C/> 8 days	2 g Possible to split addition in two times : • 50 % at beginning of maceration • 50 % mid-maceration
Cold soak maceration	< 12°C/2-6 days	3 g splitted in two additions : • 1 g to the grapes at the onset of cold soak maceration • 2 g when temperature is > 18-20°C

Dilute the enzyme in an adequate amount (avg. 1 in 100) of water or grape must to allow an even distribution in the whole quantity of grapes.

LALLZYME EX-V should be added before filling maceration tank.

PACKAGING, STORAGE AND HANDLING

<ul style="list-style-type: none"> • LALLZYME EX-V is available in 100 g sealed plastic jars, supplied in 10 kg cartons (10 x (10 x 100 g)). 	<ul style="list-style-type: none"> • Sealed containers may be stored in a dry place at room temperature. Refer to bottom label of containers for expiry date. 	<ul style="list-style-type: none"> • Direct skin contact and dust formation should be avoided. Enzymes may cause sensitization by inhalation. For further details, please refer to LALLZYME EX-V Material Safety Data Sheet (MSDS).
-------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------