

PRODUCT APPLICATION

2003-05-23

## VEGETABLE BROTH

This application report shows the impact of adding different types of yeast extracts to a vegetable broth. **Intense 24** improves the savoury notes, while **HNLV LS 3111** impacts the overall flavor by underlining the umami character of the soup and **EXLV LS 3111** enhances the vegetable notes.

	CONTROL	INTENSE 24	EXLV LS 3111	HNLV LS 3111
Water	84.080	83.990	83.845	84.010
Onion, diced	2.600	2.600	2.600	2.600
Garlic powder	0.015	0.015	0.015	0.015
Carrots, diced	4.000	4.000	4.000	4.000
Potatoes, diced	6.000	6.000	6.000	6.000
Celery, diced	2.500	2.500	2.500	2.500
Parsley, minced	0.120	0.120	0.120	0.120
Paprika, ground	0.080	0.080	0.080	0.080
Black Pepper, ground	0.005	0.005	0.005	0.005
Salt	0.600	0.540	0.585	0.596
INTENSE 24		0.150		
EXLV LS 3111			0.250	
HNLV LS 3111				0.075
	100.000	100.000	100.000	100.000

1. Boil Onion, Carrots and Celery in Water until flavor is extracted
2. Add Salt and potatoes
3. Add spices and flavorings, and let it boil for 15 additional minutes
4. Fill up to initial level of water

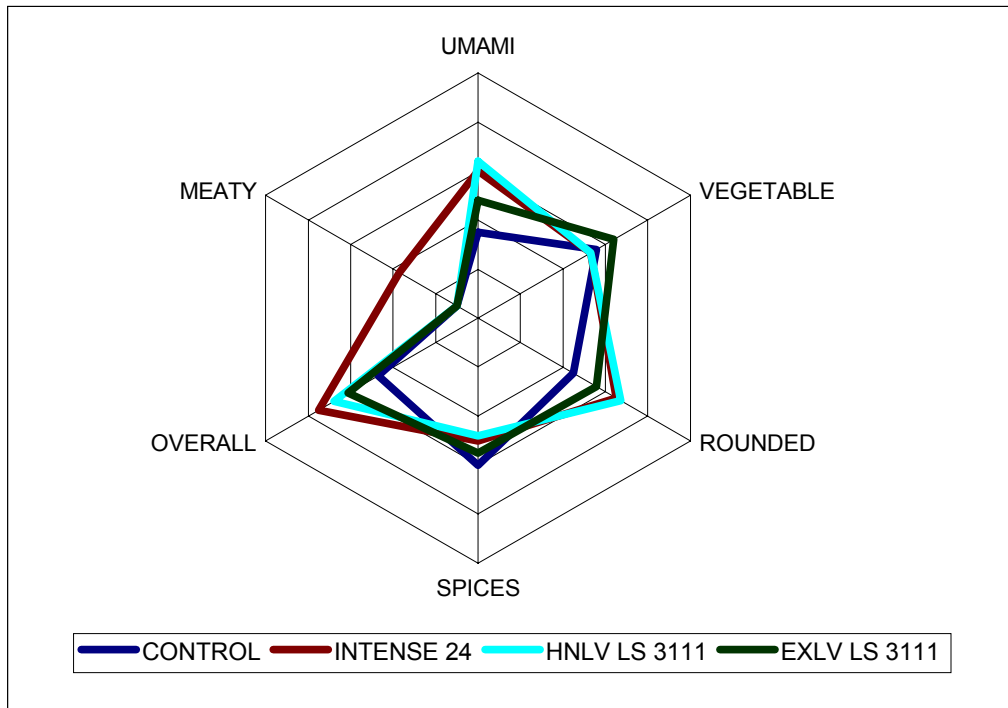
Due to the numerous factors affecting end use results, all of our products are sold with the understanding that consumers conduct their own tests to determine suitability of our products for their applications. Statements contained herein should not be construed as express of implied representations or warranties.

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**INTENSE 24** provides a meaty taste and improves umami character. **EXLV LS 3111** the overall flavor impact and inforces the vegetable character of the soup. **HNLV LS 3111** strongly impacts the mouthfeel and the body, by enhancing the umami, rounded and overall attributes of the vegetable broth.



**Method:**

**Descriptive Sensory Analysis**

Replicated samples are presented randomly to a descriptive sensory panel of 12 -15 trained judges

Results are analyzed statistically and only differences at the 95% confidence level are reported

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