ROSE CITY LABORATORIES

Shelf Stability of Ground Psilocybe Cubensis

when stored sealed, at room temperature and in the dark

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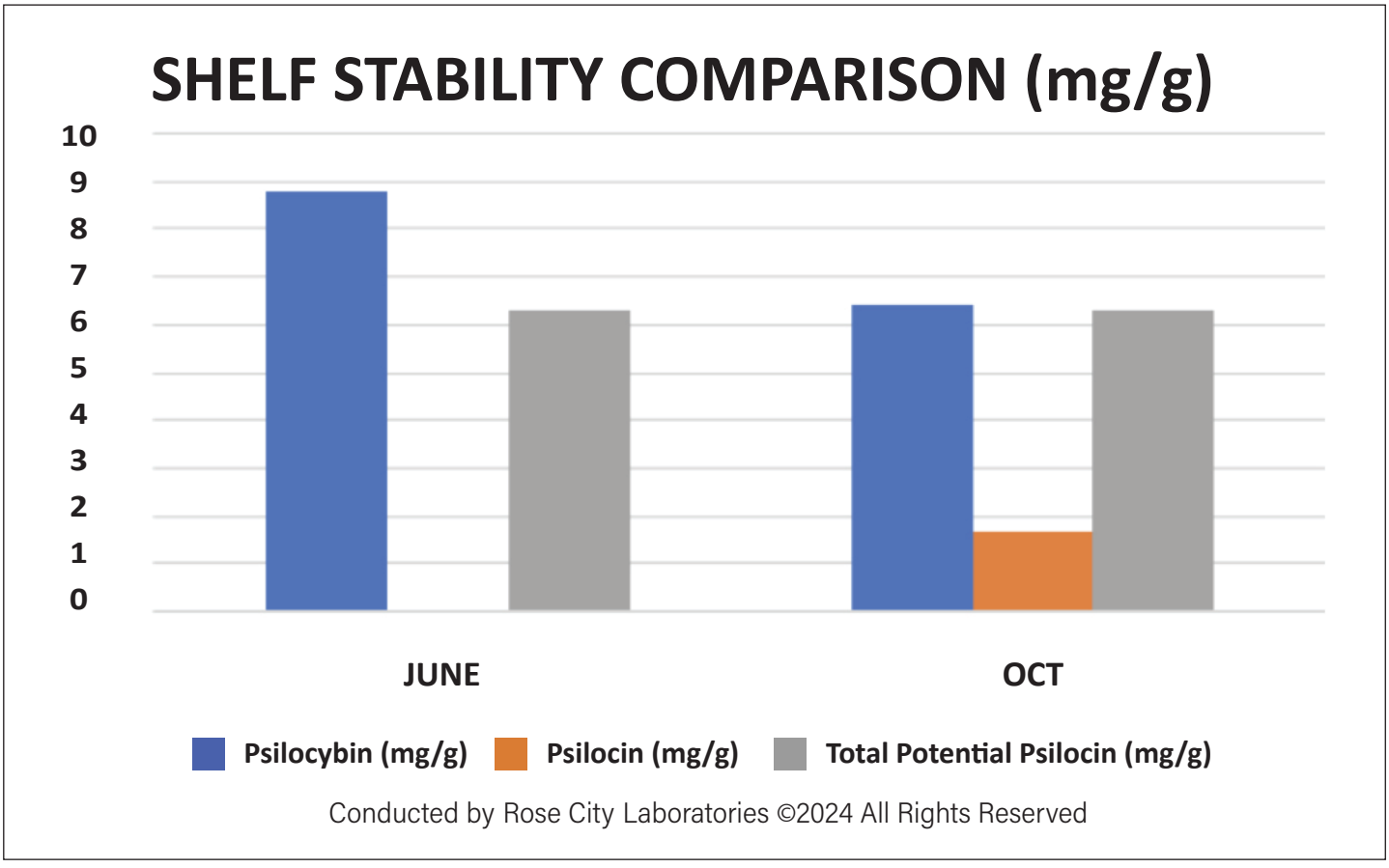
For this trial, we re-analyzed a psilocybin cubensis sample which had been tested in mid-June again in mid-October. The sample was stored at controlled room temperature in an air-tight container and protected from light.

Psilocybin is rapidly dephosphorylated in the body to psilocin, which is an agonist for several serotonin receptors, which are also known as 5-hydroxytryptamine (5-HT) receptors, meaning that Psilocin and not Psilocybin is the chemical that causes the psychedelic experience.

This table and graph show the results for a homogenized, ground mushroom sample after 3 months of storage. Total Potential Psilocin in a calculated value that accounts for the molecular weight loss during dephosphorylation and allows the comparison of potency regardless of the acting compounds being psilocybin, psilocin or both (Psilocybin*0.719+Psilocin):



Shelf Stability of Ground
Psilocybe Cubensis

	June	Oct
Psilocybin (mg/g)	8.79	6.4
Psilocin (mg/g)	0	1.67
Total Potential Psilocin (mg/g)	**6.32**	**6.27**

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