

Abich Laboratories - Test Outcomes

	Bio Oil		Hemega3 Skin Oil	
Firming Efficacy	<p><i>Result:</i> was not capable to increase skin firmness. Was not capable to increase skin gross elasticity.</p> <p><i>Conclusion:</i> doesn't seem to improve the skin biomechanical parameters taken into consideration in this study.</p>	X	<p><i>Result:</i> was capable to increase skin firmness. Was not capable to increase skin gross elasticity.</p> <p><i>Conclusion:</i> seems to improve the firmness of the treated skin of the volunteers at all observation times.</p>	☺
Whitening Efficacy	<p><i>Result:</i> was not capable to decrease the Melanin Index of skin affected by age spots.</p> <p><i>Conclusion:</i> doesn't seem to have whitening effect on the skin of volunteers affected by age spots after 30 days.</p>	X	<p><i>Result:</i> was capable to significantly decrease the Melanin Index of skin affected by age spots.</p> <p><i>Conclusion:</i> seems to have whitening effect on the skin of volunteers affected by age spots after 30 days.</p>	☺
Hydrating Efficacy	<p><i>Result:</i> was capable to improve skin hydration levels at all observation times.</p> <p><i>Conclusion:</i> has a highly significant hydrating effect on the treated skin of volunteers after 30 days.</p>	☺	<p><i>Result:</i> was capable to improve skin hydration levels at all observation times.</p> <p><i>Conclusion:</i> has a highly significant hydrating effect on treated skin of the volunteers at all observation times.</p>	☺
Anti-wrinkle Efficacy	<p><i>Result:</i> was not capable to reduce skin rugosity at all observation times.</p> <p><i>Conclusion:</i> has no anti-wrinkle effect on the treated skin of volunteers after 30 days</p>	X	<p><i>Result;</i> was capable to slightly reduce skin rugosity at all observation times.</p> <p><i>Conclusion:</i> seems to have slight anti-wrinkle effect on the treated skin of volunteers after 30 days.</p>	☺
Anti-comedogenic Efficacy	<p><i>Result:</i> was moderately capable to normalize the amount of sebum present on the skin.</p> <p><i>Conclusion:</i> seems to have a moderate but not significant anti-comedogenic activity on the treated skin of the volunteers after 15 and 30 days.</p>	☺	<p><i>Result:</i> was capable to normalize the amount of sebum present on the skin. Avg sebum slightly but not significantly decreased after 15 days but significantly decreased after 30 days.</p> <p><i>Conclusion:</i> seems to have an anti-comedogenic activity on the treated skin of volunteers after 30 days.</p>	☺
Anti-stretch mark	<p><i>Result:</i> was not capable to increase the gross elasticity affected by stretch marks at any observation time.</p>	X	<p><i>Result:</i> was not capable to increase the gross elasticity affected by stretch marks at any observation time.</p>	X

Efficacy	<i>Conclusion:</i> doesn't seem to improve the gross elasticity of skin affected by stretch marks or to reduce their visibility.		<i>Conclusion:</i> doesn't seem to improve the gross elasticity of skin affected by stretch marks or to reduce their visibility	
Collagen 1 and Elastin	<i>Result:</i> after 48hrs the sample is able to induce the expression of elastin by a fold of 78 induction. The highest expression of collagen 1 is observed after 24 hrs by a fold of 130 induction. <i>Conclusion:</i> is able to increase the expression of collagen 1 and elastin	😊	<i>Result:</i> after 48 hrs the sample is able to induce the expression of elastin by a fold of 43 times. After 48 hrs the sample is able to induce the expression of collagen 1 by a fold of 73 times <i>Conclusion:</i> is able to increase the gene expression of collagen 1 and elastin	😊
Mitogenic activity (cellular renewal)	<i>Conclusion:</i> is able to slightly increase cell proliferation (+10.5%) and is effective in increasing protein neosynthesis (+32%) on human fibroblasts respect to untreated cells	😊	<i>Conclusion:</i> is able to slightly increase cell proliferation (+13.8%) and is very effective in increasing protein neosynthesis (+102.7%) on human fibroblasts respect to untreated cells.	😊
Wound Repair	<i>Result:</i> is able to reduce the wound up to 71.2% after 22 hours with 0.1mg concentration. <i>Conclusion:</i> does show a good wound healing ability on endothelial cells. H3 is more effective than Bio Oil in improving the migration of endothelial cells and the repair of artificially induced wounds in cell monolayers, in particular way at short time exposure (3hrs)	😊	<i>Result:</i> is able to reduce the wound up to 84.2% after 22 hours with 0.01mg concentration. Already after 3 hrs it is more effective respect to negative control. <i>Conclusion:</i> does show a good wound healing ability on endothelial cells. H3 is more effective than Bio Oil in improving the migration of endothelial cells and the repair of artificially induced wounds in cell monolayers, in particular at (3hrs)	😊
Pro-sensitising potential	<i>Conclusion:</i> does not show a stimulating potential on the immune cellular response mediated by monocyte/macrophage.	😊	<i>Conclusion:</i> does show a slight stimulating potential on the immune cellular response medicated by monocyte/macrophage.	😊
Skin irritation Patch test	<i>Result:</i> During the study two slight and reversible irritation events were observed. <i>Conclusion:</i> Non Irritant	😊	<i>Result:</i> During the study one irritation event was observed. <i>Conclusion:</i> Non Irritant	😊
Eye irritation potential	<i>Conclusion:</i> does not show cytotoxic effects on fibroblasts	😊	<i>Conclusion:</i> does not show cytotoxic effects on fibroblasts.	😊