



TKS ENTERPRISE LLC  
cGMP Botanical Manufacturer

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## Certificate of Analysis

Product Name: **Red Queen Kratom**  
Extraction Solvent(s): **none**  
Country of Origin: **Indonesia**  
TKS Batch Number **R1019**  
Manufacture Date: **12/2019**

Plant Part Used: **Leaf**  
Carrier: **None**

Test Date: **October, 2019**

Test	Requirement / Actual	Method	Results
<b>Identification</b>	<i>Mitragynine &gt;1.5%</i> <i>7-Hydroxymitragynine &gt;0.05%</i>	<i>Japanese Assoc. of forensic tox (2009) 27:67-74</i>	<i>conforms</i>
<b>Heavy Metals</b>	<i>max mg/kg</i>	<i>Method</i>	<i>Results</i>
<b>Arsenic</b>	<i>&lt;0.5mg/kg</i>	<i>AOAC 2013.06 (mod) 1</i>	<i>conforms</i>
<b>Cadmium</b>	<i>&lt;0.1mg/kg</i>	<i>AOAC 2013.06 (mod) 1</i>	<i>conforms</i>
<b>Lead</b>	<i>&lt;1mg/kg</i>	<i>AOAC 2013.06 (mod) 1</i>	<i>conforms</i>
<b>Mercury</b>	<i>&lt;0.05mg/kg</i>	<i>AOAC 2013.06 (mod) 1</i>	<i>conforms</i>
<b>Microbiology</b>	<i>Max cfu/g</i>	<i>Method</i>	<i>Results</i>
<b>Salmonella spp.</b>	<i>Negative in 25g's</i>	<i>AOAC RI 050701 / 120301</i>	<i>Conforms</i>
<b>Enterobacteriaceae count</b>	<i>&lt;10,000</i>	<i>AOAC 991.14 (Petrifilm)</i>	<i>Conforms</i>
<b>E.Coli</b>	<i>Not detected 10g</i>	<i>AOAC 991.14 (Petrifilm)</i>	<i>Conforms</i>
<b>Total coliforms</b>	<i>&lt;10,000</i>	<i>AOAC 991.14 (Petrifilm)</i>	<i>Conforms</i>
<b>Total aerobic microbial</b>	<i>&lt;10,000,000</i>	<i>AOAC 991.14 (Petrifilm)</i>	<i>Conforms</i>
<b>Mold &amp; Yeast combined</b>	<i>&lt;100,000</i>	<i>AOAC 991.14 (Petrifilm)</i>	<i>conforms</i>
<b>Storing conditions</b>	<i>Room temp out of light</i>		
<b>Best by date</b>	<i>No shelf life testing required</i>		
<b>Conclusion</b>	<i>This product conforms to SPEC</i>		

TKS Enterprise LLC verifies that the information contained herein is true and correct to the best of our knowledge.  
Verified By: Wayne Pehrson

( This document was produced electronically and is valid without signature. )