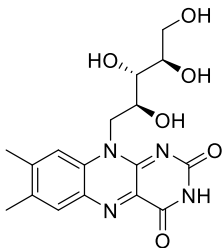




## Certificate of Analysis

<b>MedKoo Cat#:</b>	<b>Product Name:</b>	<b>Batch No:</b>
318661	Riboflavin (Vitamin B2)	HS160428

<b>Manufacturing Date:</b>	Dec.15,2017	<b>Report Date:</b>	Dec. 15, 2017
<b>Package:</b>	20kg per ctn	<b>Re-tested date:</b>	Dec. 15, 2017
<b>Batch Size:</b>	500kg	<b>Expiry Date</b>	Dec. 15, 2020
<b>Product webpage</b>	<a href="http://www.medkoo.com/products/8793">http://www.medkoo.com/products/8793</a>		

Chemical name	
7,8-dimethyl-10-[(2S,3S,4R)-2,3,4,5-tetrahydroxypropyl]benzo[g]pteridine-2,4-dione	
Synonyms	
Riboflavin, Vitamin B2, Vitamin G; Lactoflavin.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 318661 Name: Riboflavin (Vitamin B2) Lot#HS160428 CAS#: 83-88-5 Chemical Formula: C <sub>17</sub> H <sub>20</sub> N <sub>4</sub> O <sub>6</sub> Exact Mass: 376.1383 Molecular Weight: 376.36

Test Item	Specification	Result
Appearance	Yellow crystalline powder	Yellow crystalline powder
Identification	solution of 1mg in 100ml of water is pale greenish yellow by transmitted light, and has an intense yellowish-green fluorescence that disappears upon the addition of mineral acids or alkalis.	Conform
Specific rotation	-115° ~ -135°	-119°
Loss on drying	≤1.5%	1.1%
Residue on ignition	≤0.3%	0.2%
Lumiflavin	440nm absorbance ≤0.025	0.009
Assay(on dry basis)	98.5% ~ 102%	> 99%
Conclusion:	Comply with USP36	

质量主管(Q.C Director)	复核员(Rechecker):	检验员(Analyst)
Sanping Zhen	Xioayu Yang	Lili Ma