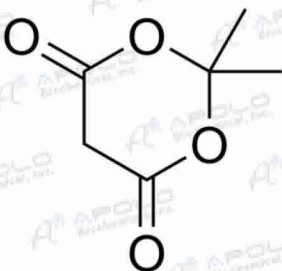


CERTIFICATE OF ANALYSIS

Product Name: 2,2-Dimethyl-1,3-dioxane-4,6-dione

Chemical Structure:



Lot Number: 272472CSD1154

CAT Number: APL-2033241

CAS Registry Number: 2033-24-1

Manufacture Date: 05/2023

Expiry Date: 11/2025

Molecular Formula: C₆H₈O₄

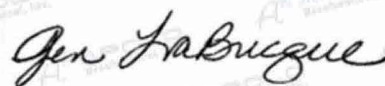
Molecular Weight: 144.13

Storage: RT

Analysis Data

Item	Specification	Results
Appearance	White to off-white (Solid)	Conforms
¹ H NMR Spectrum	Consistent with structure	Conforms
Purity (GC)	≥ 97.00 %	97.53 %
Water (KF)	≤ 0.50 %	0.27 %
Residue on Ignition	≤ 0.15 %	0.09 %

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Jennifer LaBrecque 06/2023
Quality Assurance Manager

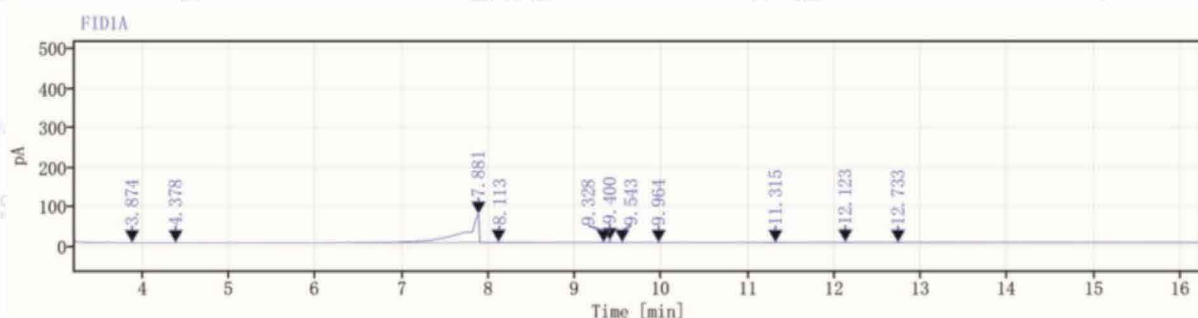
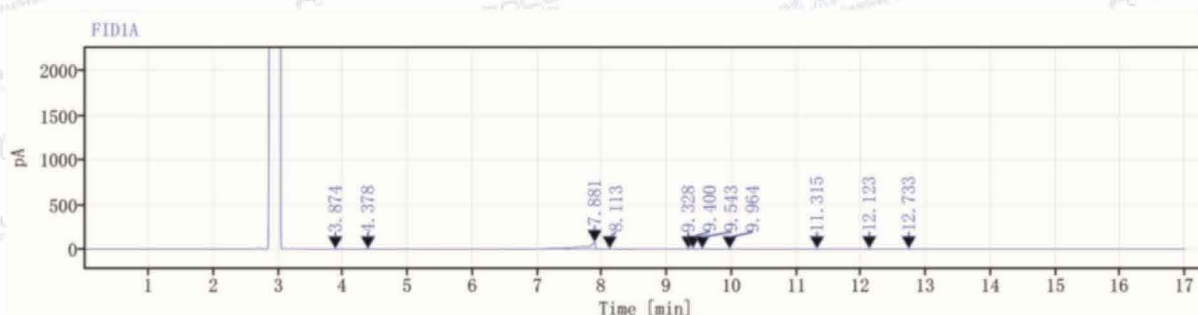
Conclusion: The above product meets the specifications of APOL



Chromatogram and Results

CAS NO.: 2033-24-1
Batch No: 1025248
seq. creation operator: yuxiaoping
Vial Number: 105
Instrument Method: GC-FQ.amx
Processing Method: *LJC20305290264.pmx
chrom: /Leyan/Results/20230530-1.rslt

Instrument: 8860
Sequence Name: 20230530-1
Injection: 1.000 µL
Run Time: 17
Injection Time: 2023-05-30 16:37:25+08:00
Column Type: HP-5



No.	RT [min]	Area	Height	Plates EP	Resolution EP	Asymmetry	Rel Area %	Peak Name
1	3.87	0.244	0.091	39589		1.74	0.028	
2	4.38	0.238	0.130	224649	8.78	1.15	0.028	
3	7.88	841.143	71.893	73883	45.94	0.51	97.539	
4	8.11	9.992	0.847	13031	1.16	4.91	1.159	
5	9.33	0.238	0.123	716101	7.42	0.94	0.028	
6	9.40	6.308	5.253	1424401	1.90	1.01	0.732	
7	9.54	1.017	0.786	1310159	4.40	1.18	0.118	
8	9.96	0.319	0.246	1407386	12.65	0.95	0.037	
9	11.32	0.634	0.090	105208	15.64	0.70	0.074	
10	12.12	1.950	1.273	1749923	9.18	2.37	0.226	
11	12.73	0.284	0.107	1735732	16.29	1.19	0.033	
Total:		862.37	80.841		123.38			