

友禾



電子及能源產業的 安全替代溶劑

ElectroGreen®

- ✓ 高純度 (GC)
- ✓ 低含水量 (KF)
- ✓ 低金屬含量 (ICP)
- ✓ 低毒性/低VOC/低氣味
- ✓ 低酸度
- ✓ Bio-based 替代品
- ✓ 蒸發殘留量低
- ✓ 減少二氧化碳排放

Verified Through C14 ASTM D6866-16 Testing

DM11306007



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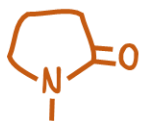
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NMP substitute - type 1

AL-929719

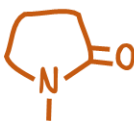


Propylene carbonate
Ethyl lactate
Ethyl 3-ethoxypropionate

Solvent	RER	SPd	SPp	SPh
AL-929719	<0.05	8.8	5.9	3.7
NMP	0.03	8.8	6.0	3.5

NMP substitute - type 2

AL-929662



Dimethyl sulphoxide
N,N-Dimethyloctanamide
N,N-Dimethyldecan-1-amide

Solvent	RER	SPd	SPp	SPh
AL-929662	<0.02	9	6.8	4.6
NMP	0.03	8.8	6.0	3.5

Butyl Cellosolve substitute

AL-929697



Ethyl lactate
Hexan-1-ol

Solvent	RER	SPd	SPp	SPh
AL-929697	0.11	7.5	3.8	6.1

Cyclohexanone substitute

AL-929735



Ethyl lactate
Iso-butanol

Solvent	RER	SPd	SPp	SPh
AL-929735	0.25	7.7	3.5	6.4
Cyclohexanone	0.30	8.7	3.1	2.5

Acetone substitute

AL-929670



Ethyl acetate
Ethanol
Ethyl lactate

Solvent	RER	SPd	SPp	SPh
AL-929670	2.84	7.7	3.4	6.1
Acetone	6.06	7.6	5.1	3.4

Methyl Amyl Ketone substitute

AL-929727



Ethyl lactate
Iso-butanol

Solvent	RER	SPd	SPp	SPh
AL-929727	0.247	7.7	3.4	6.7
Methyl Amyl Ketone	0.34	7.9	2.7	4.9

Toluene substitute

AL-929689



Ethanol
Ethyl lactate
Ethyl acetate

Solvent	RER	SPd	SPp	SPh
AL-929689	2.57	7.7	2.8	6
Toluene	2.00	8.8	0.7	1.0

Xylene substitute

AL-929700



n-Butylacetate
Ethyl lactate
Ethanol
Ethyl acetate

Solvent	RER	SPd	SPp	SPh
AL-929700	0.89	7.7	3.1	5.8
Xylene	0.77	9.8	0.9	1.2

Isopropyl Alcohol substitute

AL-929654



Ethanol
Ethyl lactate
Ethyl acetate

Solvent	RER	SPd	SPp	SPh
AL-929654	1.24	7.7	4.2	8.8
IPA	1.70	7.7	3.0	8.0

RER: Relative Evaporation Rate

SPd: Hansen Dispersion

SPp: Solubility Polar

SPh: H-bonding Parameter