LSGC

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报告编号:CQC-LCA-NJ202124

宏恒胜电子科技（淮安）有限公司

生命周期报告

产品名称：多层及高密度线路板

型号：R1AP0060B00

评价机构名称(公章)：中国质量认证中心南京分中心

报 告 日 期：2021年6月

1.1

1.2

: 91320891795375374T

168

15061414689

168 ( )

Prismark 2017 ~2020

PCB “

” “ ”

ISO9001 ISO14001 ISO14064 ISO50001

OHSAS18001 AWS

“ ” “

” “ ” “ ”

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1.3

1-1

	R1AP0060B00
3C PCB	
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1.4

GB/T 32161-2015

GB 17167

GB/T 19001

GB/T 24001

GB/T 24040

GB/T 24044

2.1

2.1.1

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R1AP0060B00

2020.01.01 2020.12.31,

9786629 R1AP0060B00

326955

2.1.2

“

R1AP0060B00 ”

2.1.3

2.1.4

eBalance LCA

eBalance

CLCD ELCD Ecoinvent

CLCD

CLCD

2.2

2.2.1

——— LCA

1%

99.99% 0.1%

5%

———

———

1%

5%

2.2.2

2.2.3

eBalance

3-1

	kg	Sb
	kg SO_2 eq.	H^+
	Sb	
	Sb	Sb
	MJ	, , ...
	kg	CO_2,
	kg	COD
	kg P eq. /kg N eq.	NH_4-N...
	kg CO_2 eq.	CO_2,CH_4,N_2O...
	kg	, , ...
	kg	NH3-N
	kg	NO_x
	kg PM2.5 eq.	CO, PM_{10}, $PM_{2.5}$...
	kg	CO, PM_{10}, $PM_{2.5}$...
	kg	/
	kg	/

i i n d l

$$EP_{\mathrm{i}} = \sum EP_{ij} = \sum Q_{\mathrm{j}} \times EF_{\mathrm{ij}}$$

EP_i—— i

EP_{ij}—— i j

Q_j—— j

EF_{ij}—— i j

3.1 LCA

eBalance LCA

GWP PED ADP WU AP EP RI ODP POFP

3-2 LCA

[ ] AP(kg SO_2 eq)	0.1140
[ ] CADP(kg Coal-R eq.)	269.24
[ ] PED(MJ)	241.91
[ ] EP(kg PO_4^{3-}eq)	0.0121
[ ] GWP(kg CO_2eq)	18.444
[ ] RI(kg PM2.5 eq)	0.0358
[ ] Water Use(kg)	92.086
[ ] ADP(kg antimony eq.)	0.0002
[ ] CADP(fossil fuel)(kg Coal-R eq.)	16.455
[ ] CO_2(kg)	16.984
[ ] COD(kg)	0.0087
[ ] IWU(kg)	90.513
[ ] NH_3-N(kg)	0.0001
[ ] NOx(kg)	0.0489
[ ] SO_2(kg)	0.0666
[ ] Waste Solids(kg)	14.844

3.2

LCA 3-3

3-3 LCA

	AP	CADP	PED	EP	GWP	RI	Water Use	ADP	CADP(fossil fuel)	CO2	COD	IWU	NH3-N	NOx	SO2	Waste Solids
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	-□	□	□	□	-0□	□	□	□	-□	□	- □	0□	. □	. □	. □	□
	0 □	□	□	□	0□	. 0□	. □	ž)P „%9!2Y.,–ñ □ †ÁÁ6"$BÁS"$BS'íq%'âíÍ j".					. □	ˆÁ6"$BS' %'âíÍ j"		□
U		□	ž)P „%9!2YÁ6"$ÁF%'âíÍ j"						ˆÁ6"$BS'%'âíÍ j"	□	ˆÁ6"$;s' %'âíÍ j"		□	□	□	□
	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
	□	□	□	□	□	□	□	□	□	□s bG%9□a…'äÉo□Q''W P□ˆÁ6"$•s'□Y.LÜÑ6¢0						□

dÞÊÍ j"

[redacted]

	AP	CADP	PED	EP	GWP	RI	Water Use	ADP	CADP(fossil fuel)	CO2	COD	IWU	NH3-N	NOx	SO2	Waste Solids

[redacted]

--□ □

	AP	CADP	PED	EP	GWP	RI	Water Use	ADP	CADP(fossil fuel)	CO2	COD	IWU	NH3-N	NOx	SO2	Waste Solids

GWP

> >

3.3

3-4 3-2

3-4

		NaOH	
		0.0463	0.1032

[redacted]

SO2	0.0572	0.7248	0.0455	0.0857
Waste Solids	0.0060	0.1761	0.0131	0.0363

3.4

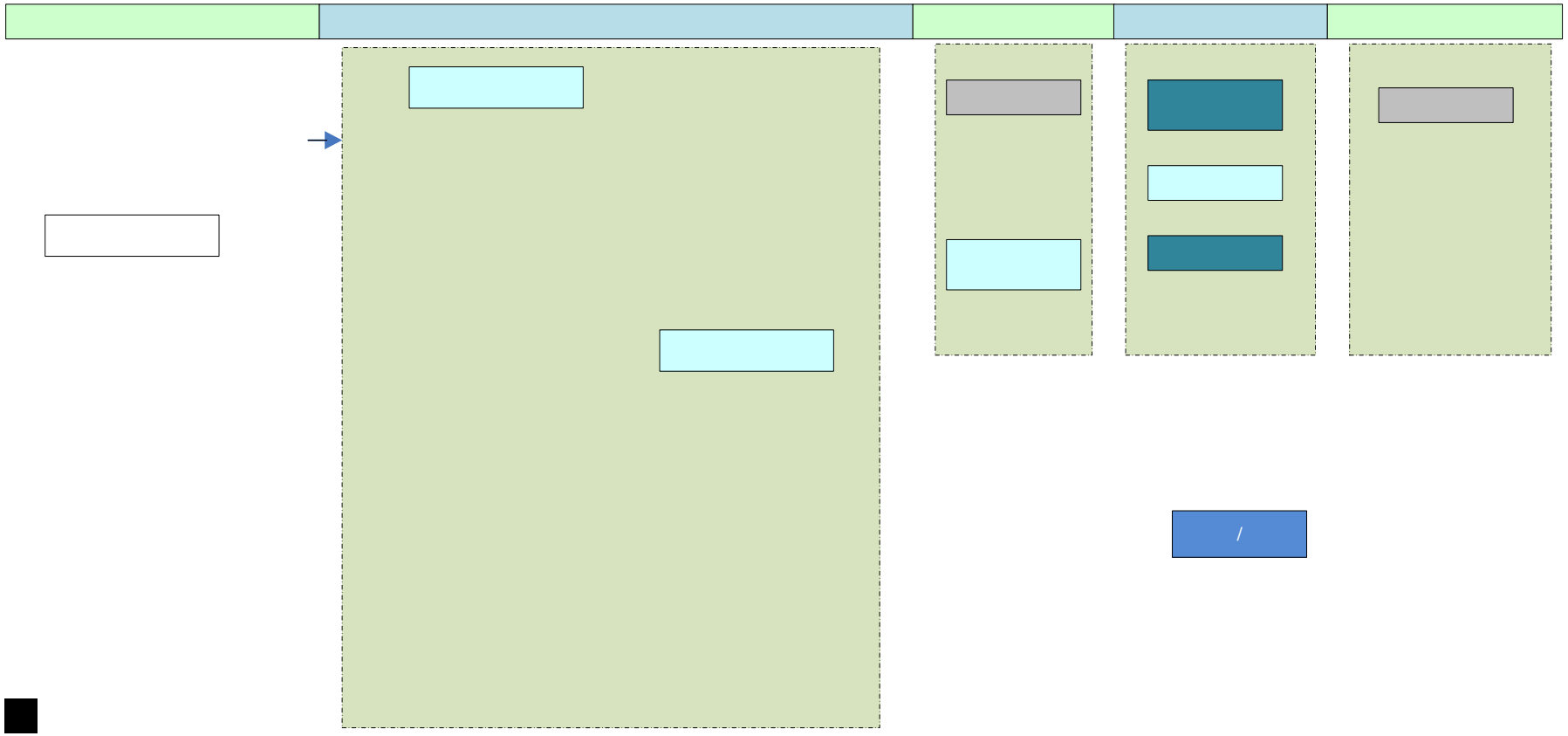
4.1

GWP NaOH

NaOH

4.2

4.3



•(?Gg1 „ dô•(?Gg1 ‰ hW %™–X™^ @“ôvs a A6OH, ?Gg1 ‰ hW %™€%u

	/			g
		NPG150N 49mil1/141.1*49NPG150N		9.60
				0.24
				0.02
				0.67
		/	pp	7.06
				0.28
				0.02
				0.61

	/			g
		30%,25KG ,	NaOH	19.05
		52%,25KG/ ,		17.07
	MC	30KG/	(15%)	9.40
		99%,40KG/ ,		7.98
	( )SPS	25KG/		7.92
		27%,25KG/ ,		3.67
		, 99%,25KG/		3.37
		CT-18820KG/	(20%)	3.13
		98%,25KG/	NaOH	2.29
		AP600020KG/	(30%)	2.20
	404	20KG/		1.67
	PC	SwellerPC30KG/		1.64
	LC	30KG/	NaOH 5%	1.60
	PM	25KG/	40%	1.55
		TP125KG/	0.5% 0.5%	1.53
		TP25KG/	2% 0.5%	1.40
	ME-1020	25KG/	(30%)	1.23
	PC	40KG/	40%	1.23
		,99.5%,15KG/		1.20
		99.5%,25KG/		1.20
		/		30.44

	/			g
		390*260*160mm		12.68