

检测报告

编号: CANEC24014662002

日期: 2024年07月12日

第1页, 共6页

客户名称: 万华化学集团股份有限公司
客户地址: 山东省烟台市开发区重庆大街59号

样品名称: WANSUPER®POE C4 产品
客户参考信息: 65016、65056、65057、69057、69147
以上样品及信息由客户提供。

SGS 工作编号: GZP24-002560
参考编号: QDP24-003055
样品接收时间: 2024年07月05日
检测周期: 2024年07月05日 ~ 2024年07月10日
检测要求: 根据客户要求检测
检测方法: 见后续页。
检测结果: 见后续页。

| 检测要求 | 结论 |
|--------|-------|
| 邻苯二甲酸酯 | 见检测结果 |

通标标准技术服务有限公司广州分公司
授权签名

钟臻

Jany Zhong 钟臻
批准签署人

scan to see the report



94100A1A



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Technical Services Co., Ltd. Chemical Laboratory.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgs.com.cn
t (86-20) 82155555 sgs.china@sgs.com

检测结果:

检测部件外观描述:

| 样品序号 | 样品编号 | SGS 样品 ID | 样品描述 |
|------|------|-------------------------|--------|
| SN1 | A1 | CAN24-0146620-0001.C001 | 无色透明颗粒 |

备注:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL= 方法检测限
- (3) ND = 未检出 (< MDL)
- (4) "-" = 未规定

邻苯二甲酸酯

检测方法: 参考 IEC 62321-8:2017, 采用 GC-MS 进行分析。

| 检测项目 | CAS No. | 单位 | MDL | A1 |
|------------------------|---------------------------|-------|-----|----|
| 邻苯二甲酸二丁酯 (DBP) | 84-74-2 | mg/kg | 50 | ND |
| 邻苯二甲酸二(2-乙基己基)酯(DEHP) | 117-81-7 | mg/kg | 50 | ND |
| 邻苯二甲酸丁苄酯(BBP) | 85-68-7 | mg/kg | 50 | ND |
| 邻苯二甲酸二异壬酯(DINP) | 28553-12-0 /68515-48-0 | mg/kg | 50 | ND |
| 邻苯二甲酸二辛酯(DNOP) | 117-84-0 | mg/kg | 50 | ND |
| 邻苯二甲酸二异癸酯(DIDP) | 26761-40-0 /68515-49-1 | mg/kg | 50 | ND |
| 邻苯二甲酸二异丁酯(DIBP) | 84-69-5 | mg/kg | 50 | ND |
| 邻苯二甲酸二(2-甲氧基乙基)酯(DMEP) | 117-82-8 | mg/kg | 50 | ND |
| 邻苯二甲酸二正己酯(DnHP) | 84-75-3 | mg/kg | 50 | ND |
| 邻苯二甲酸二戊酯 (DPENP/ DnPP) | 131-18-0 | mg/kg | 50 | ND |
| 邻苯二甲酸二苯酯(DPhP) | 84-62-8 | mg/kg | 50 | ND |
| 邻苯二甲酸双十一酯(DUDP) | 3648-20-2 | mg/kg | 50 | ND |
| 邻苯二甲酸二甲酯(DMP) | 131-11-3 | mg/kg | 50 | ND |
| 邻苯二甲酸二乙酯(DEP) | 84-66-2 | mg/kg | 50 | ND |
| 邻苯二甲酸二丙酯(DPrP) | 131-16-8 | mg/kg | 50 | ND |
| 邻苯二甲酸二环己酯(DCHP) | 84-61-7 | mg/kg | 50 | ND |
| 邻苯二甲酸二苯甲酯(DBzP) | 523-31-9 | mg/kg | 50 | ND |
| 邻苯二甲酸二壬酯(DNP) | 84-76-4 | mg/kg | 50 | ND |
| 邻苯二甲酸二异辛酯(DIOP) | 27554-26-3 | mg/kg | 50 | ND |
| 邻苯二甲酸二丙烯酯(DAP) | 131-17-9 | mg/kg | 50 | ND |
| 1,2-邻苯二甲酸癸基辛基酯(nDnOP) | 119-07-3 | mg/kg | 50 | ND |
| 邻苯二甲酸二癸酯(DnDP) | 84-77-5 | mg/kg | 50 | ND |
| 邻苯二甲酸二异戊酯(DiPP) | 605-50-5 | mg/kg | 50 | ND |
| 邻苯二甲酸正戊基异戊基酯(nPiPP) | 776297-69-9 | mg/kg | 50 | ND |



检测报告

编号: CANEC24014662002

日期: 2024年07月12日

第3页, 共6页

| 检测项目 | CAS No. | 单位 | MDL | A1 |
|--|-------------------------|-------|-----|----|
| 邻苯二甲酸二(2-丁氧基)乙酯 (DBEP) | 117-83-9 | mg/kg | 50 | ND |
| 邻苯二甲酸二(4-甲基-2-戊基)酯 (BMPP) | 146-50-9 | mg/kg | 50 | ND |
| 邻苯二甲酸二(2-乙氧基)乙酯(DEEP) | 605-54-9 | mg/kg | 50 | ND |
| 邻苯二甲酸二 C6-C8 支链烷基酯(DIHP) | 71888-89-6 | mg/kg | 50 | ND |
| 邻苯二甲酸二正庚酯 (DnHpP) | 3648-21-3 | mg/kg | 50 | ND |
| 邻苯二甲酸二(C7,C9,C11)烷基酯 (DHNUP) | 68515-42-4 | mg/kg | 50 | ND |
| 邻苯二甲酸二(支链与直链)戊基酯 (DPP) | 84777-06-0 | mg/kg | 50 | ND |
| 邻苯二甲酸双十三烷基酯(DTDP) | 119-06-2 | mg/kg | 50 | ND |
| 邻苯二甲酸二(支链与直链)己基酯 (DHxP) | 68515-50-4 | mg/kg | 50 | ND |
| 1,2-苯二甲酸, 二(C6-10)烷基酯 / 1,2-苯二甲酸, 混合二己二辛二癸酯, 其中邻苯二甲酸二己酯含量≥0.3% | 68515-51-5 / 68648-93-1 | mg/kg | 100 | ND |
| 己二酸二(2-乙基己基)酯(DEHA) | 103-23-1 | mg/kg | 50 | ND |
| 对苯二甲酸二(2-乙基己基)酯(DOTP) | 6422-86-2 | mg/kg | 50 | ND |
| 己二酸二异壬酯(DINA) | 33703-08-1 | mg/kg | 50 | ND |
| 邻苯二甲酸二异己基酯(DIHxP) | 71850-09-4 | mg/kg | 50 | ND |
| 邻苯二甲酸二(2-丙基庚基)酯(DPHpP) | 53306-54-0 | mg/kg | 50 | ND |
| 四溴邻苯二甲酸二(2-乙基己基)酯(TBPH) | 26040-51-7 | mg/kg | 50 | ND |
| 对苯二甲酸二甲酯(DMTP) | 120-61-6 | mg/kg | 50 | ND |
| 乙酰柠檬酸三丁酯(ATBC) | 77-90-7 | mg/kg | 50 | ND |
| 偏苯三酸三(2-乙基己基)酯 (TOTM) | 3319-31-1 | mg/kg | 50 | ND |
| 甲基六氢邻苯二甲酸酐, 4-甲基六氢邻苯二甲酸酐, 1-甲基六氢邻苯二甲酸酐, 3-甲基六氢邻苯二甲酸酐 (MHHPA) | - | mg/kg | 50 | ND |
| 邻苯二甲酸酐(PA) | 85-44-9 | mg/kg | 50 | ND |
| 1,2-环己烷二羧酸二异壬酯(DINCH) | 166412-78-8 | mg/kg | 50 | ND |
| 邻苯二甲酸丁基环己酯 (BCHP) | 84-64-0 | mg/kg | 50 | ND |
| 双(2-羟基乙基)对苯二甲酸酯 (DBHT) | 959-26-2 | mg/kg | 50 | ND |
| 邻苯二甲酸丁基正癸酯 (BnDP) | 89-19-0 | mg/kg | 50 | ND |
| 邻苯二甲酸二异十一烷基酯 (DIUP) | 85507-79-5 | mg/kg | 50 | ND |
| 1,2-苯二甲酸二支链烷基酯(C11-14,C13富集) (UDdCP) | 68515-47-9 | mg/kg | 50 | ND |
| 邻苯二甲酸二庚酯(支链异构体类的混合物) (DIHePP) | 41451-28-9 | mg/kg | 50 | ND |
| 邻苯二甲酸正丁异辛酯 (BOP) | 84-78-6 | mg/kg | 50 | ND |
| 邻苯二甲酸己基-2-乙基己酯 (HEHP) | 75673-16-4 | mg/kg | 50 | ND |
| 双十一烷基邻苯二甲酸酯(支链异构混合物) (DUCP) | 96507-86-7 | mg/kg | 50 | ND |



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch / 广州分公司

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

检测报告

编号: CANEC24014662002

日期: 2024年07月12日

第4页, 共6页

除非另有说明, 参照 ILAC-G8:09/2019, 使用简单接受 ($w=0$) 的二元判定规则进行符合性判定。
除非另有说明, 此报告结果仅对检测的样品负责。本报告未经本公司书面许可, 不可部分复制。
检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供内部参考。



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch, China Services Technical Laboratory

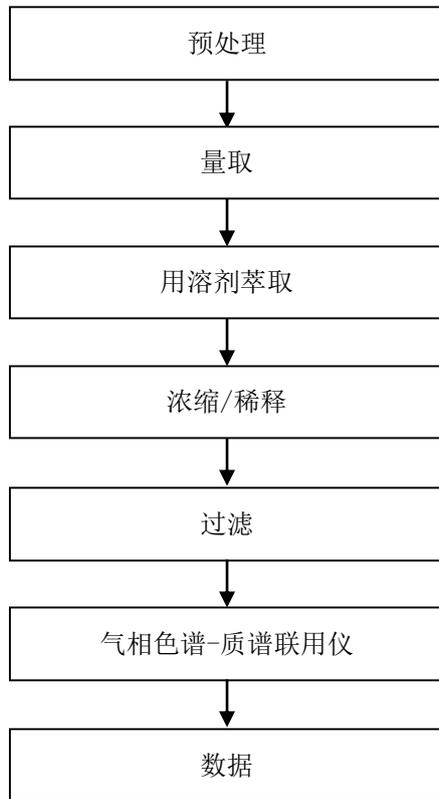
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Phthalates 检测流程图



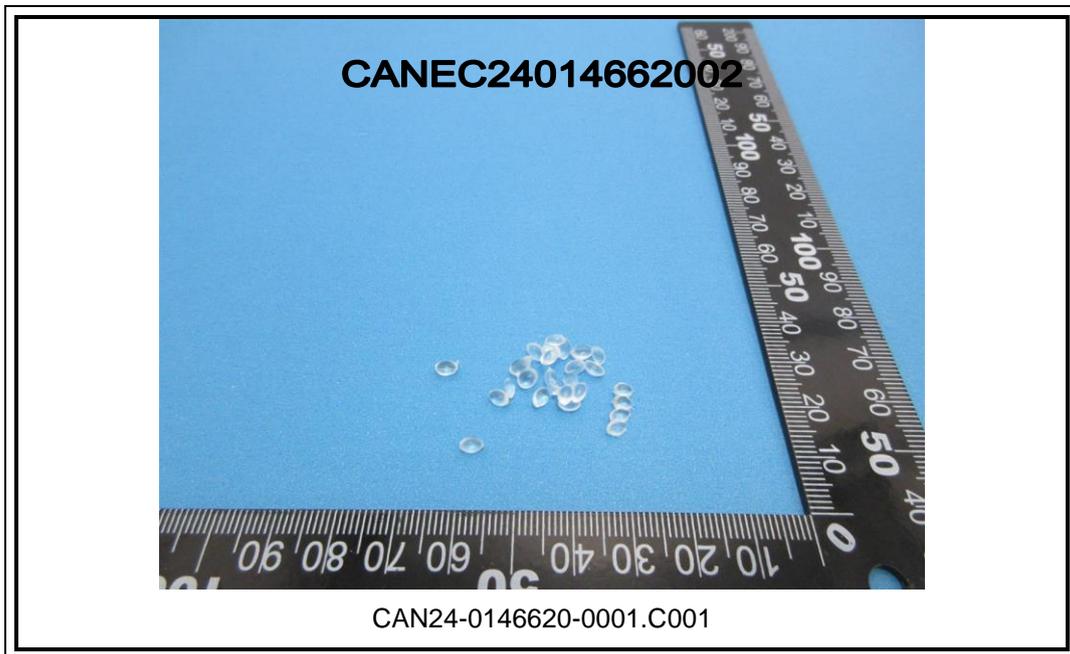
检测报告

编号: CANEC24014662002

日期: 2024年07月12日

第6页, 共6页

样品照片:



此照片仅限于随 SGS 正本报告使用

报告结束



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Technical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgs.com.cn
t (86-20) 82155555 sgs.china@sgs.com