

TEST REPORT  
(시험성적서)

신청기관 (인) : 효성화학(주)  
APPLICANT : HYOSUNG CHEMICAL CORPORATION  
주소 (한글) : 서울특별시 서초구 반포대로 235  
ADDRESS (ENGL.) : 235, Banpo-daero, Seocho-gu,  
Seoul, Korea

발행면수 (PAGE) : 1 of 5  
발행일자 (DATE) : 2024. 02. 02.

시험성적서 번호 (REPORT NO.) : RT24R-S0284-025-K2-R

시료 명세 (SAMPLE DESCRIPTION) : 시료에 대한 상세한 정보는 아래와 같음  
(The following submitted sample(s) said to be)

제품명/형식 (NAME/TYPE OF PRODUCT) : POKETONE  
(POKETONE)

재질 (NAME OF MATERIAL) : Polyketone  
(Polyketone)

시료고유번호 (SAMPLE ID NO.) : RT24R-S0284-025  
(RT24R-S0284-025)

품번 (ITEM NO.) : M330A, M630A, M730A, M930A, M410A, M710A, M640A, M330F, M630F, M730F, M930F, M410F, M710F, M640F, M330R, M630R, M730R, M930R, M410R, M710R, M640R, M330V, M630V, M730V, M930V, M410V, M710V, M640V, M330F-S, M630F-S, M730F-S, M930F-S, M410F-S, M710F-S, M640F-S, M330F-L, M630F-L, M730F-L, M930F-L, M410F-L, M710F-L, M640F-L, M130F, M130F-S, M130F-L, M130A, M130R, M130V, M330S, M630S, M330U, M630U, JM033, JM036

제품 생산자/공급자 (MANUFACTURER/VENDOR) : 효성화학(주)  
(HYOSUNG CHEMICAL CORPORATION)

시료접수일자 (SAMPLE RECEIVED) : 2024. 01. 10.  
(Jan. 10, 2024)

시험일자 (TESTING DATE) : 2024. 01. 10. ~ 2024. 01. 26.  
(Jan. 10, 2024 ~ Jan. 26, 2024)

시험유형 (TEST TYPE) : 화학시험 - REACH관련하여 ECHA에서 공지한 5종의 고 위험성 우려물질  
(Chemical Testing - Five(5) substances of very high concern (SVHC) based on the SVHC Candidate List announced by European Chemicals Agency (ECHA) regarding Regulation (EC) No 1907/2006 concerning REACH)

시험결과요약 (SUMMARY OF TEST RESULT(S)) : ECHA에서 공표한 고 위험성 우려물질 모두 0.1% 이하로 검출됨  
(According to specified test processes in this report, contents of all substances of very high concern (SVHC) in Candidate List published by ECHA are less than 0.1% (w/w) in submitted sample(s). For more details, please see the following page(s).)

- 비고 (Notes):
- 이 시험성적서는 제시된 시료 및 시료명으로 시험한 결과로서 유사 대상시료에 적용할 수 없음.  
(The test results presented in this report refer only to the object tested.)
  - 이 시험성적서는 승인없이 복사 사용을 금함.  
(This report shall not be reproduced except in full without the written approval of the testing laboratory.)
  - 이 시험성적서의 품번은 고객의 요청 및 보증서에 의거하여 명기함.  
(The item no. is assigned by client and indicated according to their requirement and guarantee letter.)

승인자 (Approved by)

장준용/기술책임자  
(Jade Jang / Lab. Technical Manager)

권한자 (Authorized by)

박병옥/소장  
(Bo Park / Lab. General Manager)



Authenticity check



Intertek Testing Services Korea Ltd.

Seoul Office: Tel : 02-6090-9500 Fax : 02-3409-0025 Web Site : [intertek.co.kr](http://intertek.co.kr)  
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**TEST REPORT**  
(시험 성적서)

발행면수 (PAGE) : 2 of 5

발행일자 (DATE) : 2024. 02. 02.

시험성적서 번호 (REPORT NO.) : RT24R-S0284-025-K2-R

시료고유번호 (SAMPLE ID NO.) : RT24R-S0284-025

시료명 (SAMPLE DESCRIPTION) : POKETONE  
(POKETONE)

번호 (No.)	시험항목 (TEST ITEM)	EC No.	CAS No.	검출한계(RL) (% (w/w))	시험결과 (RESULT) (% (w/w))
1	Bumetrizole	223-445-4	3896-11-5	0.02	N.D.
2	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol	221-573-5	3147-75-9	0.02	N.D.
3	2,4,6-tri-tert-butylphenol	211-989-5	732-26-3	0.02	N.D.
4	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	700-960-7	-	0.02	N.D.
5	2-(dimethylamino)-2-[[4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	438-340-0	119344-86-4	0.02	N.D.

Tested by : Hayan Park

Notes : 1 % (w/w) = 10000 ppm = 10000 mg/kg

< = Less than

N.D. = Not detected (< RL)

RL = Reporting limit

Remark : Definition under 67/548/EEC and Regulation (EC) No 1907/2006

Substances of very high concern (SVHC) are defined in Article 57 of Regulation (EC) No 1907/2006 (the REACH Regulation) and the candidate list published by European Chemicals Agency (ECHA) before and 23 Jan 2024 and the main categories of SVHCs are CMR, PBT and vPvB compounds. The Candidate List will be regularly updated by ECHA when more substances are identified as SVHC; (Referred to <http://echa.europa.eu/candidate-list-table>)

- **C** Carcinogenic - category 1 or 2 (Directive 67/548/EEC)
- **M** Mutagenic - category 1 or 2 (Directive 67/548/EEC)
- **R** toxic for Reproduction - category 1 or 2 (Directive 67/548/EEC)
- **PBT** Persistent, Bioaccumulative and Toxic -see Annex XIII
- **vPvB** very Persistent and very Bioaccumulative - see Annex XIII
- Substances of equivalent level of concern (like endocrine disruptors)

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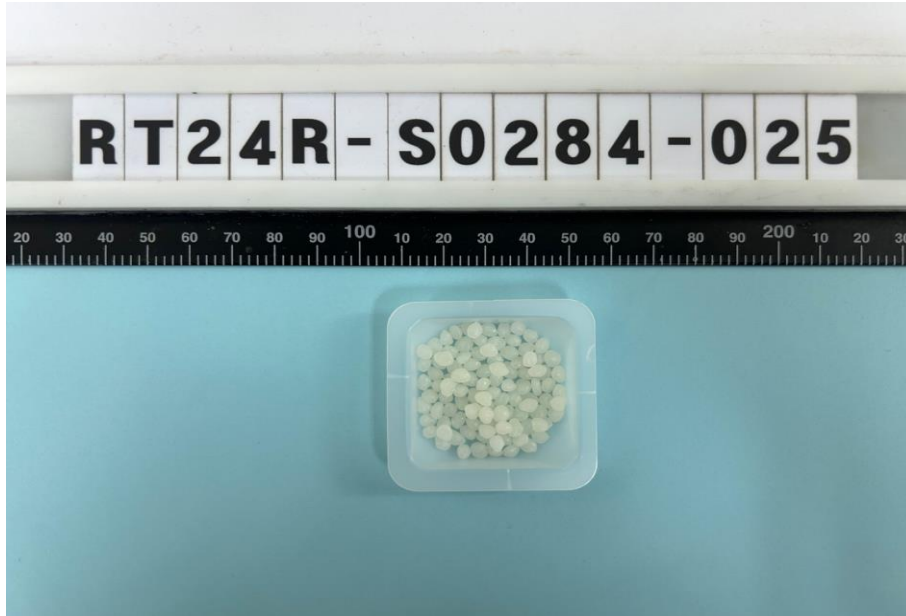
발행일자 (DATE) : 2024. 02. 02.

시험성적서 번호 (REPORT NO.) : RT24R-S0284-025-K2-R

시료고유번호 (SAMPLE ID NO.) : RT24R-S0284-025

시료명 (SAMPLE DESCRIPTION) : POKETONE  
(POKETONE)

\* 시료 접수 시 시료 상태 :  
(View of sample as received)



## TEST REPORT (시험 성적서)

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시료고유번호 (SAMPLE ID NO.) : RT24R-S0284-025

시료명 (SAMPLE DESCRIPTION) : POKETONE

(POKETONE)

\* REACH 규정에 따른 물질, 제제 및 완제품에 대한 정의

(Definition of a substance, a preparation and an article according Article 3 of the REACH Regulation)

- a **substance** is a chemical element and its compounds in the natural state or obtained by any manufacturing process, including any additive necessary to preserve its stability and any impurity deriving from the process used, but excluding any solvent which may be separated without affecting the stability of the substance or changing its composition;
- a **preparation** is a mixture or solution composed of two or more substances;
- an **article** (product) is an object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition.

\* 화학물질 안전자료 자료제공에 대한 의무 및 관련정보

(Available information for general obligation and information requirements)

- 물질 (Substances)

**Provide safety data sheet** ; As per Article 31 of the REACH Regulation (EC No. 1907/2006), suppliers of substances on the Candidate List have to provide their customers with a safety data sheet from the date of inclusion.

- 제제 (Preparations)

**Provide safety data sheet** ; As per Article 31 of the REACH Regulation (EC No. 1907/2006), supplier of preparation not classified as dangerous according to Directive 1999/45/EC must provide the recipients, at their request, with a safety data sheet if the preparation contains at least one of the tested substances at 0.1 % (w/w) or above for non gaseous preparation and at least 0.2 % by volume for gaseous preparations sheet from the date of inclusion.

- 완제품 (Articles)

**Notification** ; As per Article 7(2) of Regulation (EC) No 1907/2006 (REACH), EU and EEA producers or importers of articles have to notify ECHA if their article contains a substance on the Candidate List. This obligation applies if the substance is present above 0.1 % (w/w) and its quantities in the produced/imported articles are above 1 tonne in total per year per company. Notification is required beginning June 1, 2011.

**Safe use information** ; As per Article 33 of Regulation (EC) No 1907/2006 (REACH), EU or EEA suppliers of articles which contain substances on the Candidate List in a concentration above 0.1 % (w/w) have to provide sufficient information, available to them, to their customers or upon requests, to a consumer within 45 days of the receipt of the request. This information must ensure safe use of the article and as minimum contain the name of the substance. The effective date for the safe use information requirement is six months after the SVHC is placed on the Candidate List.

Disclaimers ;

This testing report for 15 new substances of very high concern (SVHC) in Candidate List announced by European Chemicals Agency (ECHA) is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in assessment report is sufficient for its/his/her purposes.

The quantitative screening results shown in this testing report will be in relation to various factors, including but not limited to, the weight or size of dismantled component and composite test approach, etc. If the contents of SVHC are out of the threshold, further identification is recommended to obtain the information of SVHC in each material.

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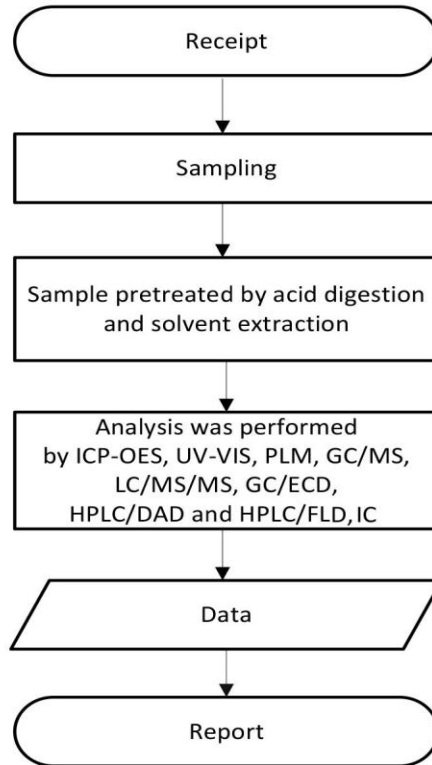
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### Flow Chart (SVHC)



\*\*\*\*\* End of Report \*\*\*\*\*

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