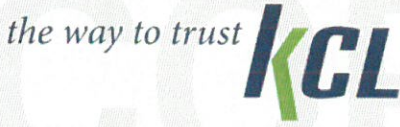


시험 · 검사성적서



한국건설생활환경시험연구원

153-803 서울특별시 금천구 가산디지털1로 199(가산동)

TEL : 02-2102-2500 / FAX : 02-856-5618

식품의약품안전처 지정번호 : 식품 등 제23호

접 수 번 호 : FP22-01691K
 의 회 업 체 : (주)테이팩스 유니랩공장
 [대표자:김상구(연락처:031-352-8056)]
 소 재 지 : 경기도 화성시 향남읍 만년로 108
 검 사 목 적 : 자가품질위탁검사
 제 품 명 : 유니랩
 재 질 · 유 형 : Polyvinylchloride

발 행 번 호 : 220101691
 검 사 완 료 일 : 2022.05.26.
 접 수 연 월 일 : 2022.05.16.
 제 조 일 자 : 2022.05.11.
 발 급 일 자 : 2022.05.26.

시험 · 검사결과

첨부 시험 · 검사 분석 결과 표와 같음

시험검사원: 정성원

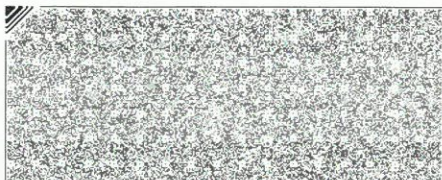
시험검사책임자: 안혜정

「식품·의약품분야 시험·검사 등에 관한 법률」 제11조 제2항 및 같은 법 시행규칙 제12조 제4항 제1호에 따라 위와 같이 시험·검사성적서를 발급합니다.

한국건설생활환경시험연구원장



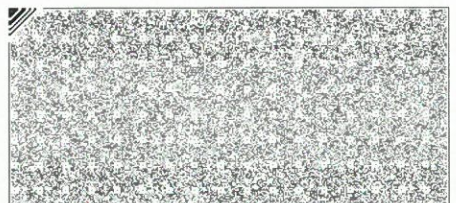
- 비고 : 1. 위 판정은 의뢰된 시험·검사 항목만을 대상으로 한 것입니다.
 2. 검사결과를 광고하거나 용기·포장 등에 표시할 때에는 시험 검사 성적서 전체 내용을 모두 표시해야 합니다.



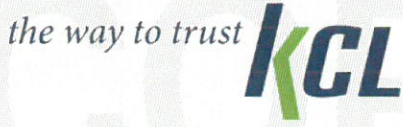
발 급 번 호 : 220101691

| 시험 · 검사항목 | 단 위 | 시험 · 검사기준 | 시험 · 검사결과 | 판 정 | 비 고 |
|---|-------|-----------|------------------|-----|-----|
| 잔류 납(Pb) | mg/kg | 100 이하(합) | 불검출 | 적합 | - |
| 잔류 카드뮴(Cd) | mg/kg | 100 이하(합) | 불검출 | 적합 | - |
| 잔류 수은(Hg) | mg/kg | 100 이하(합) | 불검출 | 적합 | - |
| 잔류 6가크롬(Cr ⁶⁺) | mg/kg | 100 이하(합) | 불검출 | 적합 | - |
| 잔류 염화비닐 | mg/kg | 1 이하 | 불검출 | 적합 | - |
| 잔류 디부틸주석화합물 (이염화디부틸주석으로서) | mg/kg | 50 이하 | 불검출 | 적합 | - |
| 잔류 크레졸인산에스테르 | mg/kg | 1 000 이하 | 불검출 | 적합 | - |
| 용출 납(Pb) | mg/L | 1 이하 | 불검출 | 적합 | - |
| 용출 과망간산칼륨 소비량 | mg/L | 10 이하 | 1 | 적합 | - |
| 용출 총용출량 4 % 초산 | mg/L | 30 이하 | 8 | 적합 | - |
| 용출 총용출량 물 | mg/L | 30 이하 | 4 | 적합 | - |
| 용출 총용출량 n-헵탄 | mg/L | 150 이하 | 130 | 적합 | - |
| 용출 Dibutylphthalate(DBP) 4 % 초산 | mg/L | 0.3 이하 | 불검출 | 적합 | - |
| 용출 Dibutylphthalate(DBP) 물 | mg/L | 0.3 이하 | 불검출 | 적합 | - |
| 용출 Dibutylphthalate(DBP) n-헵탄 | mg/L | 0.3 이하 | 불검출 | 적합 | - |
| 용출 Butylbenzylphthalate(BBP) 4 % 초산 | mg/L | 30 이하 | 불검출 | 적합 | - |
| 용출 Butylbenzylphthalate(BBP) 물 | mg/L | 30 이하 | 불검출 | 적합 | - |
| 용출 Butylbenzylphthalate(BBP) n-헵탄 | mg/L | 30 이하 | 불검출 | 적합 | - |
| 용출 Di-(2-ethylhexyl)adipate(DEHA) 4% 초산 | mg/L | 18 이하 | 불검출 | 적합 | - |
| 용출 Di-(2-ethylhexyl)adipate(DEHA) 물 | mg/L | 18 이하 | 불검출 | 적합 | - |
| 용출 Di-(2-ethylhexyl)adipate(DEHA) n-헵탄 | mg/L | 18 이하 | 불검출 | 적합 | - |
| 용출 Di-(2-ethylhexyl)phthalate(DEHP) 4 % 초산 | mg/L | 1.5 이하 | 불검출 | 적합 | - |
| 용출 Di-(2-ethylhexyl)phthalate(DEHP) 물 | mg/L | 1.5 이하 | 불검출 | 적합 | - |
| 용출 Di-(2-ethylhexyl)phthalate(DEHP) n-헵탄 | mg/L | 1.5 이하 | 불검출 | 적합 | - |
| 용출 Di-n-octylphthalate(DNOP) 4 % 초산 | mg/L | 5 이하 | 불검출 | 적합 | - |
| 용출 Di-n-octylphthalate(DNOP) 물 | mg/L | 5 이하 | 불검출 | 적합 | - |
| 용출 Di-n-octylphthalate(DNOP) n-헵탄 | mg/L | 5 이하 | 불검출 | 적합 | - |
| 용출 Di-(iso-nonyl)phthalate(DINP) 및 Di-(iso-decyl)phthalate(DIDP) 4 % 초산 | mg/L | 9 이하(합) | 불검출 | 적합 | - |
| 용출 Di-(iso-nonyl)phthalate(DINP) 및 Di-(iso-decyl)phthalate(DIDP) 물 | mg/L | 9 이하(합) | 불검출 | 적합 | - |
| 용출 Di-(iso-nonyl)phthalate(DINP) 및 Di-(iso-decyl)phthalate(DIDP) n-헵탄 | mg/L | 9 이하(합) | 불검출 | 적합 | - |
| 총 합 판 정 | | | 적합 | | |
| 시험 · 검사방법 | | | 식품용 기구 및 용기포장 공전 | | |

- 이 하 여 백 -



Certificate of Laboratory Testing



Korea Conformity Laboratories

153-803 199, Gasan digital 1-ro, Geumcheon-gu, Seoul, Korea

TEL : 82-2-2102-2500 / FAX : 82-2-856-5618

MFDS Designation No.: Food etc. 23

Receipt No. : FP22-01691E

Issue No. : 220101691

Company : Tapex Uniwrap Inc.

Test Completion Date : May. 26, 2022

Client Name : Kim Sang Goo(Tel:031-352-8056)

Date of Receipt : May. 16, 2022

Address : 108, Mannyon-ro, Hyangnam-eup, Hwaseong-si,
Gyeonggi-do, Korea

Date of Manufacturing : May. 11, 2022

Product Name : UNIWRAP

Purpose of Test : Quality Control

Material : Polyvinylchloride

Issued Date : May. 26, 2022

Test Results

Refer to the next page.

Testing Personnel : JUNG SUNGWON *[Signature]*

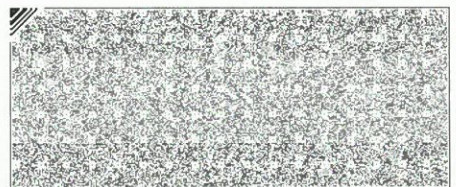
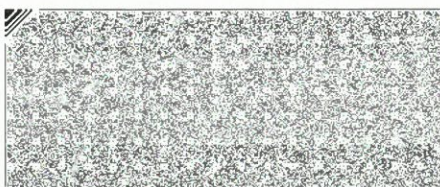
Testing Manager : Hye Jeong Ahn *[Signature]*

The above testing and inspection report shall be issued in accordance with Article 11(2) of the Act on Testing and Inspection of Food and Drugs and Article 12(4)1 of the Enforcement Regulation of the Act

Korea Conformity Laboratories *[Signature]*

Jo, Yung Tae

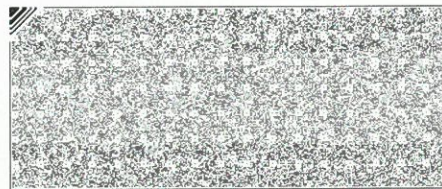
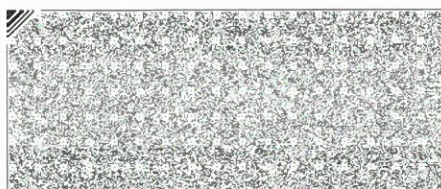
- ※ The judgment above shall be only subject to the requested test items.
- ※ When advertising test results or indicating test results on containers or packages, the entire content of the test report shall be indicated



NO. : 220101691

| Test Items | Unit | Specifications | Test Results | Judgment | Remarks |
|---|--|-------------------------|--------------|-------------|---------|
| Residual Lead(Pb) | mg/kg | Not more than 100 (Sum) | Not detected | Suitability | - |
| Residual Cadmium(Cd) | mg/kg | Not more than 100 (Sum) | Not detected | Suitability | - |
| Residual Mercury(Hg) | mg/kg | Not more than 100 (Sum) | Not detected | Suitability | - |
| Residual Chromium VI(Cr ⁶⁺) | mg/kg | Not more than 100 (Sum) | Not detected | Suitability | - |
| Residual Vinylchloride | mg/kg | Not more than 1 | Not detected | Suitability | - |
| Residual Dibutyltin compounds(as Dibutyltin dichloride) | mg/kg | Not more than 50 | Not detected | Suitability | - |
| Residual Cresol Phosphate Esters | mg/kg | Not more than 1 000 | Not detected | Suitability | - |
| Extraction Lead(Pb) | mg/L | Not more than 1 | Not detected | Suitability | - |
| Extraction Consumption of KMnO ₄ | mg/L | Not more than 10 | 1 | Suitability | - |
| Extraction Overall migration 4 % Acetic Acid | mg/L | Not more than 30 | 8 | Suitability | - |
| Extraction Overall migration Water | mg/L | Not more than 30 | 4 | Suitability | - |
| Extraction Overall migration n-Heptane | mg/L | Not more than 150 | 130 | Suitability | - |
| Extraction DibutylPhthalate(DBP) 4 % Acetic Acid | mg/L | Not more than 0.3 | Not detected | Suitability | - |
| Extraction DibutylPhthalate(DBP) Water | mg/L | Not more than 0.3 | Not detected | Suitability | - |
| Extraction DibutylPhthalate(DBP) n-Heptane | mg/L | Not more than 0.3 | Not detected | Suitability | - |
| Extraction Butylbenzylphthalate(BBP) 4 % Acetic Acid | mg/L | Not more than 30 | Not detected | Suitability | - |
| Extraction Butylbenzylphthalate(BBP) Water | mg/L | Not more than 30 | Not detected | Suitability | - |
| Extraction Butylbenzylphthalate(BBP) n-Heptane | mg/L | Not more than 30 | Not detected | Suitability | - |
| Extraction Di-(2-ethylhexyl)Adipate (DEHA) 4 % Acetic Acid | mg/L | Not more than 18 | Not detected | Suitability | - |
| Extraction Di-(2-ethylhexyl)Adipate (DEHA) Water | mg/L | Not more than 18 | Not detected | Suitability | - |
| Extraction Di-(2-ethylhexyl)Adipate (DEHA) n-Heptane | mg/L | Not more than 18 | Not detected | Suitability | - |
| Extraction Di-(2-ethylhexyl)phthalate(DEHP) 4 % Acetic Acid | mg/L | Not more than 1.5 | Not detected | Suitability | - |
| Extraction Di-(2-ethylhexyl)phthalate(DEHP) Water | mg/L | Not more than 1.5 | Not detected | Suitability | - |
| Extraction Di-(2-ethylhexyl)phthalate(DEHP) n-Heptane | mg/L | Not more than 1.5 | Not detected | Suitability | - |
| Extraction Di-n-octylphthalate(DNOP) 4 % Acetic Acid | mg/L | Not more than 5 | Not detected | Suitability | - |
| Extraction Di-n-octylphthalate(DNOP) Water | mg/L | Not more than 5 | Not detected | Suitability | - |
| Extraction Di-n-octylphthalate(DNOP) n-Heptane | mg/L | Not more than 5 | Not detected | Suitability | - |
| Extraction Di-(iso-decyl)phthalate(DIDP) & Di-(iso-nonyl)phthalate (DINP) 4 % Acetic Acid | mg/L | Not more than 9 (Sum) | Not detected | Suitability | - |
| Extraction Di-(iso-decyl)phthalate(DIDP) & Di-(iso-nonyl)phthalate (DINP) Water | mg/L | Not more than 9 (Sum) | Not detected | Suitability | - |
| Extraction Di-(iso-decyl)phthalate(DIDP) & Di-(iso-nonyl)phthalate (DINP) n-Heptane | mg/L | Not more than 9 (Sum) | Not detected | Suitability | - |
| Final Judgment | Suitability | | | | |
| Test Method | Standards and Specifications for Food Utensils, Containers and Packages. | | | | |

- End of Report -



시험 · 검사성적서



한국건설생활환경시험연구원

153-803 서울특별시 금천구 가산디지털1로 199(가산동)

TEL : 02-2102-2500 / FAX : 02-856-5618

식품의약품안전처 지정번호 : 식품 등 제23호

접 수 번 호 : FP22-04099K
 의뢰 업체 : (주)테이팩스 유니랩공장
 [대표자:김상구(연락처:031-352-8056)]
 소재지 : 경기도 화성시 향남읍 만년로 108
 검사 목적 : 자가품질위탁검사
 제품명 : 유니랩
 재질·유형 : Polyvinylchloride

발행 번호 : 220104099
 검사완료일 : 2022.11.30.
 접수연월일 : 2022.11.14.
 제조일자 : 2022.11.10.
 발급일자 : 2022.11.30.

시험 · 검사결과

첨부 시험 · 검사 분석 결과 표와 같음

시험검사원: 강민지

시험검사책임자: 유병철

「식품·의약품분야 시험·검사 등에 관한 법률」 제11조 제2항 및 같은 법 시행규칙 제12조 제4항 제1호에 따라 위와 같이 시험·검사성적서를 발급합니다.

한국건설생활환경시험연구원장



비고 : 1. 위 판정은 의뢰된 시험·검사 항목만을 대상으로 한 것입니다.
 2. 검사결과를 광고하거나 용기 포장 등에 표시할 때에는 시험·검사 성적서 전체 내용을 모두 표시해야 합니다.

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발행 번호 : 220104099

| 시험·검사항목 | 단위 | 시험·검사기준 | 시험·검사결과 | 판정 | 비고 |
|---|------------------|----------|---------|----|----|
| 잔류 염화비닐 | mg/kg | 1 이하 | 불검출 | 적합 | - |
| 잔류 디부틸주석화합물 (이염화디부틸주석으로서) | mg/kg | 50 이하 | 불검출 | 적합 | - |
| 잔류 크레졸인산에스테르 | mg/kg | 1 000 이하 | 불검출 | 적합 | - |
| 용출 납(Pb) | mg/L | 1 이하 | 불검출 | 적합 | - |
| 용출 과망간산칼륨 소비량 | mg/L | 10 이하 | 2 | 적합 | - |
| 용출 총용출량 4% 초산 | mg/L | 30 이하 | 4 | 적합 | - |
| 용출 총용출량 물 | mg/L | 30 이하 | 1 | 적합 | - |
| 용출 총용출량 n-헵탄 | mg/L | 150 이하 | 58 | 적합 | - |
| 용출 Di-n-butyl phthalate(DBP) 4% 초산 | mg/L | 0.3 이하 | 불검출 | 적합 | - |
| 용출 Di-n-butyl phthalate(DBP) 물 | mg/L | 0.3 이하 | 불검출 | 적합 | - |
| 용출 Di-n-butyl phthalate(DBP) n-헵탄 | mg/L | 0.3 이하 | 불검출 | 적합 | - |
| 용출 Benzyl-n-butylphthalate(BBP) 4% 초산 | mg/L | 30 이하 | 불검출 | 적합 | - |
| 용출 Benzyl-n-butylphthalate(BBP) 물 | mg/L | 30 이하 | 불검출 | 적합 | - |
| 용출 Benzyl-n-butylphthalate(BBP) n-헵탄 | mg/L | 30 이하 | 불검출 | 적합 | - |
| 용출 Di-(2-ethylhexyl) adipate(DEHA) 4% 초산 | mg/L | 18 이하 | 불검출 | 적합 | - |
| 용출 Di-(2-ethylhexyl) adipate(DEHA) 물 | mg/L | 18 이하 | 불검출 | 적합 | - |
| 용출 Di-(2-ethylhexyl) adipate(DEHA) n-헵탄 | mg/L | 18 이하 | 불검출 | 적합 | - |
| 용출 Di-(2-ethylhexyl) phthalate(DEHP) 4% 초산 | mg/L | 1.5 이하 | 불검출 | 적합 | - |
| 용출 Di-(2-ethylhexyl) phthalate(DEHP) 물 | mg/L | 1.5 이하 | 불검출 | 적합 | - |
| 용출 Di-(2-ethylhexyl) phthalate(DEHP) n-헵탄 | mg/L | 1.5 이하 | 불검출 | 적합 | - |
| 용출 Di-n-octylphthalate(DNOP) 4% 초산 | mg/L | 5 이하 | 불검출 | 적합 | - |
| 용출 Di-n-octylphthalate(DNOP) 물 | mg/L | 5 이하 | 불검출 | 적합 | - |
| 용출 Di-n-octylphthalate(DNOP) n-헵탄 | mg/L | 5 이하 | 불검출 | 적합 | - |
| 용출 Diisononyl phthalate(DINP) 및 Diisodecyl phthalate(DIDP) 4% 초산 | mg/L | 9 이하(합) | 불검출 | 적합 | - |
| 용출 Diisononyl phthalate(DINP) 및 Diisodecyl phthalate(DIDP) 물 | mg/L | 9 이하(합) | 불검출 | 적합 | - |
| 용출 Diisononyl phthalate(DINP) 및 Diisodecyl phthalate(DIDP) n-헵탄 | mg/L | 9 이하(합) | 불검출 | 적합 | - |
| 종합판정 | 적합 | | | | |
| 시험·검사방법 | 식품용 기구 및 용기포장 공간 | | | | |

- 이 하 여 백 -

전자문서본(Electronic Copy)

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Certificate of Laboratory Testing

the way to trust **KCL**

Korea Conformity Laboratories

153-303 199, Gasan digital 1-ro, Geumcheon-gu, Seoul, Korea

TEL : 82-2-2102-2500 / FAX : 82-2-856-5618

MFDS Designation No.: Food etc. 23

| | |
|---|---------------------------------------|
| Receipt No. : FP22-04099E | Issue No. : 220104099 |
| Company : Tapex Uniwrap Inc. | Test Completion Date : Nov. 30, 2022 |
| Client Name : Kim Sang Goo(Tel:031-352-8056) | Date of Receipt : Nov. 14, 2022 |
| Address : 108, Mannyeon-ro Hyangnam-eup, Hwaseong-si, Gyeonggi-do, Korea | Date of Manufacturing : Nov. 10, 2022 |
| Product Name : UNWRAP | Purpose of Test : Quality Control |
| Material : Polyvinylchloride | Issued Date : Nov. 30, 2022 |


Test Results

Refer to the next page.

Testing Personnel : Min Ji Kang

KMJ

Testing Manager :

Ryu Byung Gneoi 

The above testing and inspection report shall be issued in accordance with Article 11(2) of the Act on Testing and Inspection of Food and Drugs and Article 12(4)1 of the Enforcement Regulation of the Act

Korea Conformity Laboratories

President : Jo, Yung Tae 

※ The judgment above shall be only subject to the requested test items.
 ※ When advertising test results or indicating test results on containers or packages, the entire content of the test report shall be indicated

전자문서본(Electronic Copy)

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Issue No. : 220104099

| Test Items | Unit | Specifications | Test Results | Judgment | Remarks |
|--|---|-----------------------|--------------|-------------|---------|
| Residual Vinylchloride | mg/kg | Not more than 1 | Not detected | Suitability | - |
| Residual Dibutyltin compounds (as Dibutyltin dichloride) | mg/kg | Not more than 50 | Not detected | Suitability | - |
| Residual Cresol Phosphate Esters | mg/kg | Not more than 1 000 | Not detected | Suitability | - |
| Extraction Lead(Pb) | mg/L | Not more than 1 | Not detected | Suitability | - |
| Extraction Consumption of KMnO ₄ | mg/L | Not more than 10 | 2 | Suitability | - |
| Extraction Overall migration 4 % Acetic Acid | mg/L | Not more than 30 | 4 | Suitability | - |
| Extraction Overall migration Water | mg/L | Not more than 30 | 4 | Suitability | - |
| Extraction Overall migration n-Heptane | mg/L | Not more than 150 | 53 | Suitability | - |
| Extraction Di-n-butyl phthalate(DBP) 4 % Acetic Acid | mg/L | Not more than 0.3 | Not detected | Suitability | - |
| Extraction Di-n-butyl phthalate(DBP) Water | mg/L | Not more than 0.3 | Not detected | Suitability | - |
| Extraction Di-n-butyl phthalate(DBP) n-Heptane | mg/L | Not more than 0.3 | Not detected | Suitability | - |
| Extraction Benzyl-n-butylphthalate(BBP) 4 % Acetic Acid | mg/L | Not more than 30 | Not detected | Suitability | - |
| Extraction Benzyl-n-butylphthalate(BBP) Water | mg/L | Not more than 30 | Not detected | Suitability | - |
| Extraction Benzyl-n-butylphthalate(BBP) n-Heptane | mg/L | Not more than 30 | Not detected | Suitability | - |
| Extraction Di-(2-ethylhexyl) adipate (DEHA) 4 % Acetic Acid | mg/L | Not more than 18 | Not detected | Suitability | - |
| Extraction Di-(2-ethylhexyl) adipate (DEHA) Water | mg/L | Not more than 18 | Not detected | Suitability | - |
| Extraction Di-(2-ethylhexyl) adipate (DEHA) n-Heptane | mg/L | Not more than 18 | Not detected | Suitability | - |
| Extraction Di-(2-ethylhexyl) phthalate(DEHP) 4 % Acetic Acid | mg/L | Not more than 1.5 | Not detected | Suitability | - |
| Extraction Di-(2-ethylhexyl) phthalate(DEHP) Water | mg/L | Not more than 1.5 | Not detected | Suitability | - |
| Extraction Di-(2-ethylhexyl) phthalate(DEHP) n-Heptane | mg/L | Not more than 1.5 | Not detected | Suitability | - |
| Extraction Di-n-octylphthalate(DNOP) 4 % Acetic Acid | mg/L | Not more than 5 | Not detected | Suitability | - |
| Extraction Di-n-octylphthalate(DNOP) Water | mg/L | Not more than 5 | Not detected | Suitability | - |
| Extraction Di-n-octylphthalate(DNOP) n-Heptane | mg/L | Not more than 5 | Not detected | Suitability | - |
| Extraction Diisononyl phthalate(DINP) & Diisodecyl phthalate(DIDP) 4 % Acetic Acid | mg/L | Not more than 9 (Sum) | Not detected | Suitability | - |
| Extraction Diisononyl phthalate(DINP) & Diisodecyl phthalate(DIDP) Water | mg/L | Not more than 9 (Sum) | Not detected | Suitability | - |
| Extraction Diisononyl phthalate(DINP) & Diisodecyl phthalate(DIDP) n-Heptane | mg/L | Not more than 9 (Sum) | Not detected | Suitability | - |
| Final Judgment | Suitability | | | | |
| Test Method | Standards and Specifications for Food Utensils, Containers and Packages | | | | |

- End of Report -

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