

Comaprison of SOTA OCR tools

Week 2



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Comparing OCR Tools With Processed Images

# Pre-processed image

## Normal

Close-up of a label of nutrition

Description automatically generated

## B&W

A close-up of a nutrition label

Description automatically generated

## No Border and noise

A close-up of a nutrition label

Description automatically generated

# Azure

Output: JSON

|  |  |  |
| --- | --- | --- |
| **Normal** | **B&W** | **No Border and noise** |
| alamy  NutritionFacts  \*PercentDaily  caloriediet  ServingSize1Tbsp(15mL)  orlowerdepe  ServingsPerContainerAbout64  TotalFat  a  AmountPerServing  SatFat  Calories0  CaloriesfromFat0  Cholesterd  Sodium  %DailyValue\*  Potassium  TotalCarbu  TotalFat0g  0%  DietaryF  SaturatedFat0g  0%  Caloriesper  Fat9.  TransFat0g  INGREDIENTS  a  Cholesterol0mg  0%  APPLECIDERVINEGAR  Sodium0mg  0%  DISTRIBUTEDEI  WHOLEFOODSMAIL  Potassium15mg  0%  AUSTIN,TX767LI  TotalCarbohydrate0g  0%  @2007WHOLEALLE  DietaryFiber0g  0%  www.wholefunte  Sugars0g  CERTIFIEDORG  QUALITYASSURAKO  Protein0g  WHOLEFOODSWHIRLY  FORMULATEDADJA  G  VitaminA0%  ·  VitaminC0%  INGREDIENTSLAUM  Calcium0%  Iron0%  GENETICALLYENOM!!  .  PRODUCTSLANE!!!  a  a  alamy  ImageID:BRYGA3  www.alamy.com | 3  alamy  NutritionFacts  \*PercertOuA  calorieatt  ServingSize1Tbsp(15mL)  orlowerat  ServingsPerContainerAbout64  TotalFat  AmountPerServing  SatFx  Calories0  CaloriesfromFat0  Cholester  Sodium  %DailyValue\*  Potassus  TotalCar12  TotalFat0g  0%  DietaryFt  SaturatedFat0g  0%  Calonesp="  Fat9.  TransFat0g  INGREDIENTS  Cholesterol0mg  0%  APPLECIDERWIFE  Sodium0mg  0%  DISTRIBUTED  WHOLEFOOD  Potassium15mg  0%  AUSTIN,TXMOHLI  TotalCarbohydrate0g  0%  @2007WILL  DietaryFiber0g  0%  CERTIFEDOS  Sugars0g  QUALITYASSIND  Protein0g  WHOLEFOODS  FORMULATED  VitaminA0%  VitaminC0%  INGREDIENDALA  Calcium0%  Iron0%  GENETICALOEW  PRODUCTSLA  linagyIDBRYGAS  alamy  www.alamy.com | NutritionFacts  ServingSize1Tbsp(15mL)  ServingsPerContainerAbout64  AmountPerServing  Calories0CaloriesfromFat0  %DailyValue\*  TotalFatOg  0%  SaturatedFat0g  0%  TransFat0;  Cholesterol0mg  0%  Sodium0mg  0%  Potassium15mg  0%  TotalCarbohydrate0g  0%  DietaryFiber0g  0%  Sugars0g  Protein0g  VitaminA0%  ·  VitaminC0%  Calcium0%  Iron0% |

# AWS Textract

**Output**: JSON, CSV and txt

|  |  |  |
| --- | --- | --- |
| Normal | B&W | No Border and noise |
| Raw Text:  a  alamy  Nutrition Facts  \* Percent Date  calorie de  Serving Size 1 Tbsp (15 mL)  or lower days  Servings Per Container About 64  Total Fat  Amount Per Serving  Sat Fat  a  Cholesterol  Calories 0 Calories from Fat 0  Sodium  Potassium  % Daily Value\*  Total Carbo  Total Fat Og  0%  Dietary Fle  Calories per  Saturated Fat 0g  0%  Fat 9  \*  Trans Fat 0g  INGREDIENTS  APPLE CIDER  Cholesterol Omg  0%  DISTRIBUTED  Sodium Omg  0%  WHOLE FOODS  Potassium 15mg  0%  AUSTIN, TX 7870  Total Carbohydrate 0g  0%  ©2007 WHOLE -  www.wholefantie  Dietary Fiber 0g  0%  CERTIF ED ORGAN  Sugars 0g  QUALITY ASSURANCE  Protein 0g  WHOLE FOODS MAIL  FORMULATED  Vitamin A 0%  Vitamin C 0%  INGREDIENTS  Calcium 0%  GENETICALLY  Iron 0%  PRODUCTS LABELITA  A | **Raw Text:**  alamy  Nutrition Facts  \* Percene Das  calorie de  Serving Size 1 Tbsp (15 mL)  or lower  Servings Per Container About 64  Total Fat  Amount Per Serving  Sat Far  Cholestero  Calories 0  Calories from Fat 0  Sodium  Potassure  % Daily Value\*  Total Card  Total Fat 0g  0%  Dietary  Calones per  Saturated Fat 0g  0%  Fat 9  Trans Fat 0g  INGREDIENTS  Cholesterol Omg  0%  APPLE ODEL NSA  DISTRIBUTED .  Sodium Omg  0%  WHOLE FOOR  Potassium 15mg  0%  AUSTIN,DURED  Total Carbohydrate Og  0%  ©2007 WHOLE  www.wholefantil  Dietary Fiber 0g  0%  CERTIFIED CIRG  Sugars 0g  QUALITY ASSIMMED  Protein 0g  WHOLE FOOMS  FORMULATED  Vitamin A 0%  Vitamin C0%  INGREDIENTS  Calcium 0%  GENETICALLY  Iron 0%  PRODUCTS  THE  linage ID BRYGA3  www.alamy.com | **Raw Text:**  Nutrition Facts  Serving Size 1 Tbsp (15 mL)  Servings Per Container About 64  Amount Per Serving  Calories 0  Calories from Fat 0  % Daily Value\*  Total Fat Og  0%  Saturated Fat 0g  0%  Trans Fat ()  Cholesterol Omg  0%  Sodium Omg  0%  Potassium 15mg  0%  Total Carbohydrate Og  0%  Dietary Fiber Og  0%  Sugars Og  Protein Og  Vitamin A 0%  Vitamin C 0%  Calcium 0%  Iron 0% |
| Key value: | **Key Value:** | **Key Value:** |
| Table: No table found | **Table:** | **Table:** No table found |

# Google OCR

**Output using API**: JSON

|  |  |  |
| --- | --- | --- |
| Normal | B&W | No Border and noise |
| Raw Text:  alamy  or lower de  Nutrition Facts Pecently  Serving Size 1 Tbsp (15 mL)  Servings Per Container About 64  Total Fat  Amount Per Serving  a  Sat Fat  Cholester  Calories 0  Calories from Fat 0  Sodium  Potassium  % Daily Value\*  Total Carb  Total Fat 0g  Dietary F  0%  Calories per  Saturated Fat Og  0%  .  Fat 9  INGREDIENTS  Trans Fat 0gm  APPLE CIDER VINE  Cholesterol Omg  0%  DISTRIBUTED  Sodium Omg  0%  WHOLE FOODS  Potassium 15mg  0%  AUSTIN, TX 767  ©2007 WHOLE F  0%  Total Carbohydrate Og  www.wholef  0%  Dietary Fiber 0g  CERTIFIED ORG  Sugars Og  QUALITY ASSURAN  Protein Og  WHOLE FOODS  FORMULATED TO  Vitamin A 0%  Vitamin C 0%  INGREDIENTS  GENETICALLY ENG  Calcium 0%  Iron 0%  PRODUCTS LABEL  a  alamy  Image ID: BRYGA3  www.alamy.com | **Raw Text:**  alamy  Da  calorie  or lower p  Nutrition Facts Perce  Serving Size 1 Tbsp (15 mL)  Servings Per Container About 64  Total F  Amount Per Serving  Sat Fac  Cholestero  Calories 0  Calories from Fat 0  % Daily Value\*  Sodium  Potass  Total Carbon  Dietary F  0%  Total Fat 0g  Calones p  0%  Saturated Fat 0g  Fat 9.  INGREDIENTS  Trans Fat 0g  APPLE CIDER  0%  Cholesterol Omg  DISTRIBUTED IN  0%  Sodium Omg  |WHOLE FOOG  0% AUSTIN, TX  Potassium 15mg  0% ©2007 WHO  Total Carbohydrate og  www.whol  0%  Dietary Fiber 0g  CERTIFIED ONG  Sugars Og  QUALITY ASSU  Protein Og  WHOLE FOODS  FORMULATED  Vitamin A 0%  INGREDIENTS  Vitamin C 0%  GENETICALLY ENG  Iron 0%  Calcium 0%  PRODUCTS LAND  linage ID BRYGA  www.alamy.com  alamy | **Raw Text:**  Nutrition Facts  Serving Size 1 Tbsp (15 mL)  Servings Per Container About 64  Amount Per Serving  Calories (  Calories from Fat 0  % Daily Value\*  0%  Total Fat 0g  0%  Saturated Fat Og  Trans Fat 0  0%  Cholesterol Omg  0%  Sodium 0mg  0%  Potassium 15mg  Total Carbohydrate 0g 0%  0%  Dietary Fiber 0g  Sugars Og  Protein Og  •  Vitamin A 0%  Vitamin C 0%  Iron 0%  Calcium 0% |
| Key value: | **Key Value:** | **Key Value:** |
| Table:  % Daily Value\* Total Fat Og 0%  Saturated Fat Og 0%  Trans Fat Og Samu  Cholesterol Omg 0%  Sodium Omg 0%  Potassium 15mg 0%  Total Carbohydrate Og 0%  Dietary Fiber Og 0%  Sugars Og  Protein og  Vitamin A 0% Vitamin C 0%  Calcium 0% Iron 0% | **Table:** Calories 0 Calories from Fat 0 % Daily Value\*  Total Fat og 0%  Saturated Fat Og 0%  Trans Fat Og  Cholesterol 0mg 0%  Sodium Omg 0%  Potassium 15mg 0%  |© Total Carbohydrate og 0%  Dietary Fiber Og 0% K  Sugars Og Protein og  Vitamin A 0% Vitamin C 0%  Calcium 0% Iron 0% | **Table:**  % Daily Value\*  Total Fat og 0%  Saturated Fat Og 0%  Trans Fat 0  II. Cholesterol Omg 0%  Sodium Omg 0%  Potassium 15mg 0%  Total Carbohydrate 0g 0%  Dietary Fiber Og 0% Sugars Og |