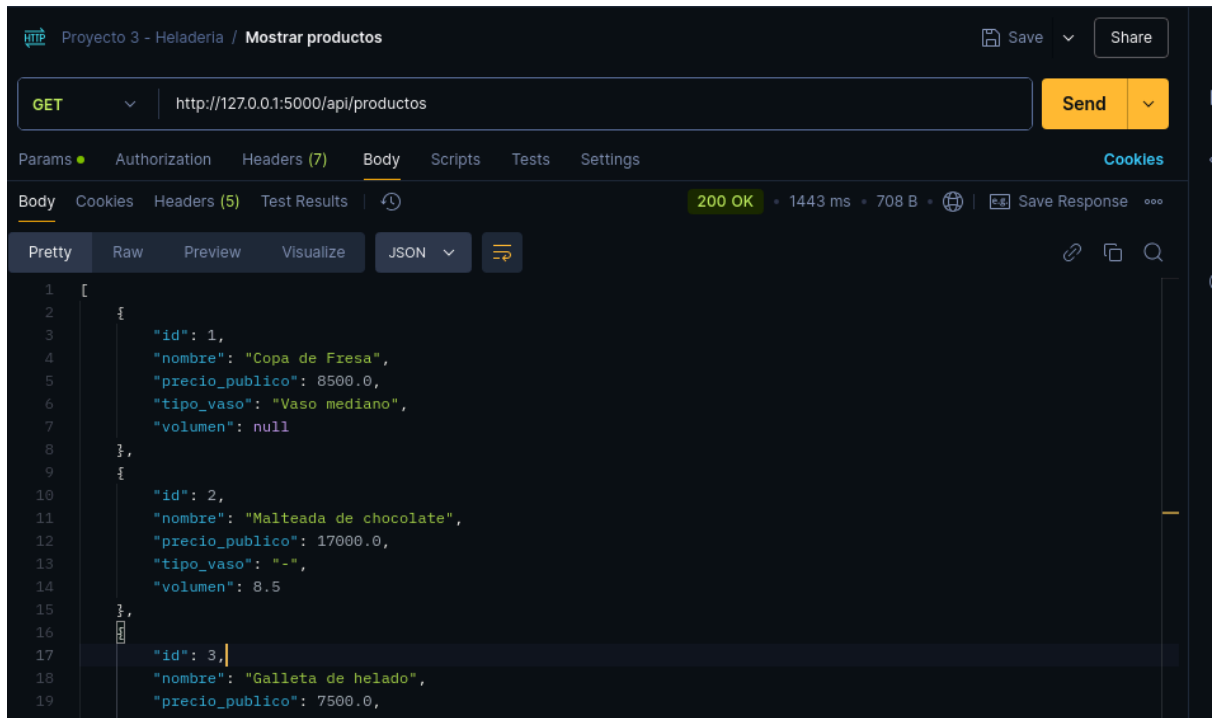


Construir el API REST

- Consultar todos los productos



Projecto 3 - Heladería / Mostrar productos

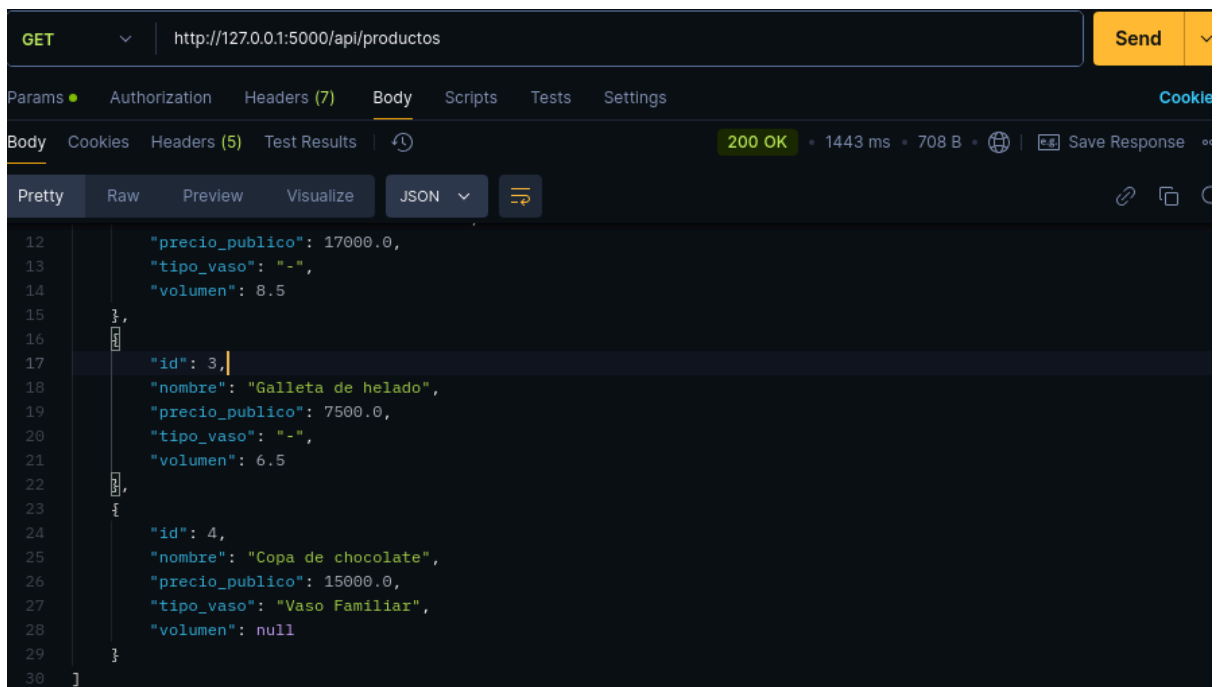
GET http://127.0.0.1:5000/api/productos Send

Params Authorization Headers (7) Body Scripts Tests Settings Cookies

Body Cookies Headers (5) Test Results 200 OK • 1443 ms • 708 B Save Response

Pretty Raw Preview Visualize JSON

```
[
  {
    "id": 1,
    "nombre": "Copa de Fresa",
    "precio_publico": 8500.0,
    "tipo_vaso": "Vaso mediano",
    "volumen": null
  },
  {
    "id": 2,
    "nombre": "Malteada de chocolate",
    "precio_publico": 17000.0,
    "tipo_vaso": "-",
    "volumen": 8.5
  },
  {
    "id": 3,
    "nombre": "Galleta de helado",
    "precio_publico": 7500.0,
```



GET http://127.0.0.1:5000/api/productos Send

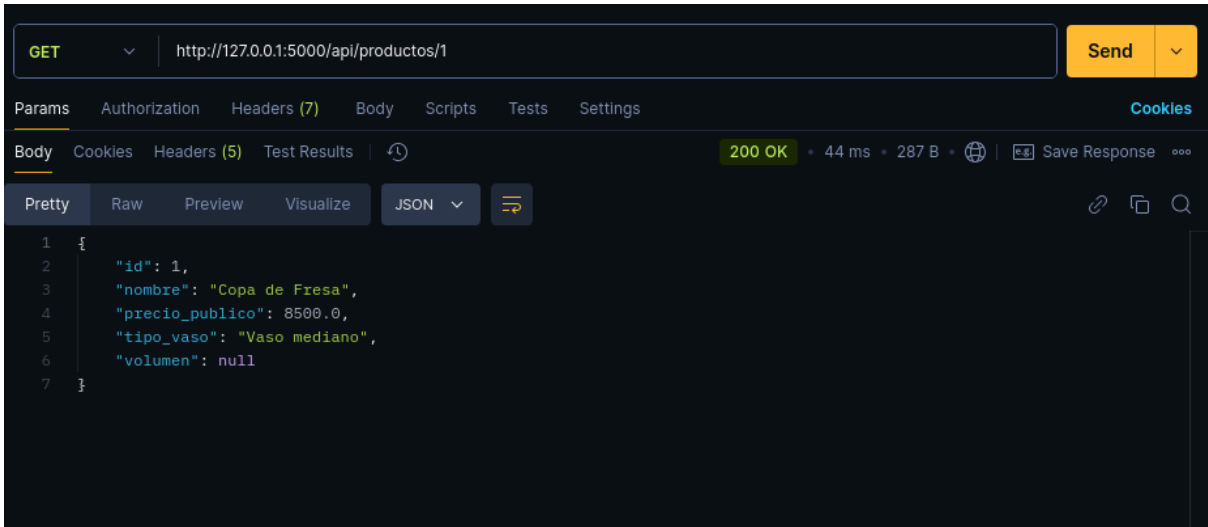
Params Authorization Headers (7) Body Scripts Tests Settings Cookies

Body Cookies Headers (5) Test Results 200 OK • 1443 ms • 708 B Save Response

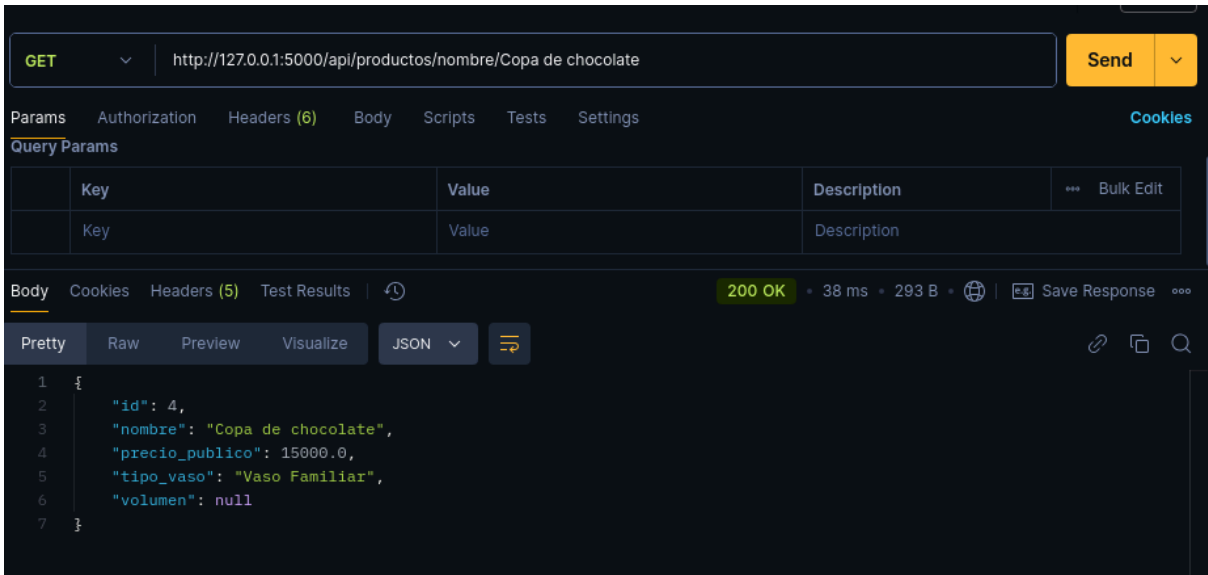
Pretty Raw Preview Visualize JSON

```
    "precio_publico": 17000.0,
    "tipo_vaso": "-",
    "volumen": 8.5
  },
  {
    "id": 3,
    "nombre": "Galleta de helado",
    "precio_publico": 7500.0,
    "tipo_vaso": "-",
    "volumen": 6.5
  },
  {
    "id": 4,
    "nombre": "Copa de chocolate",
    "precio_publico": 15000.0,
    "tipo_vaso": "Vaso Familiar",
    "volumen": null
  }
]
```

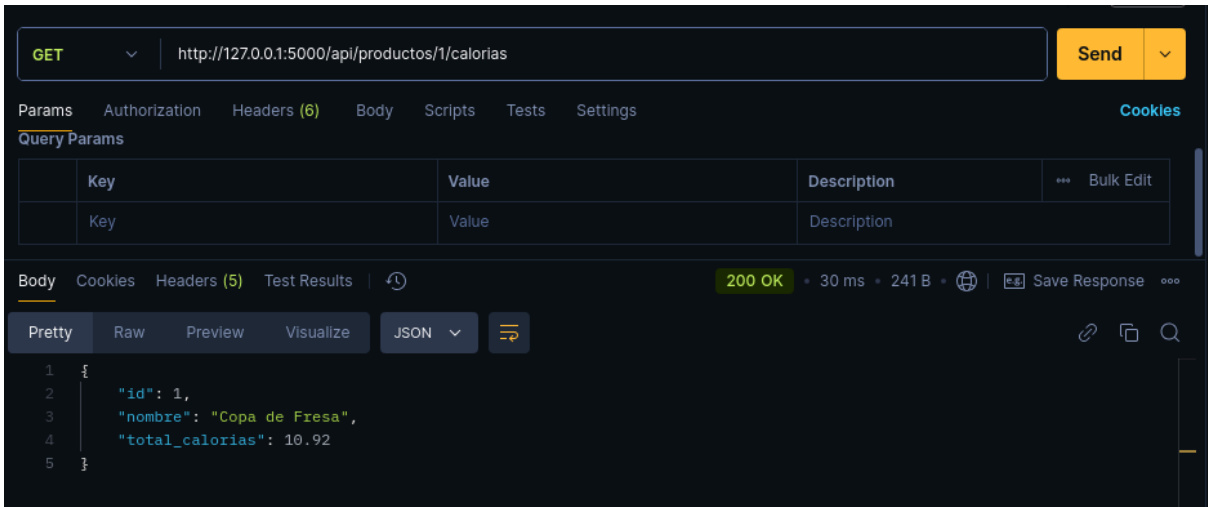
- Consultar un producto según su ID



- Consultar un producto según su nombre



- Consultar las calorías de un producto según su ID



GET

http://127.0.0.1:5000/api/productos/2/calorias

Send

ParamsAuthorizationHeaders (6)BodyScriptsTestsSettingsCookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

BodyCookiesHeaders (5)Test Results

200 OK • 30 ms • 249 B • Save Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "id": 2,
3   "nombre": "Malteada de chocolate",
4   "total_calorias": 10.92
5 }
```

GET

http://127.0.0.1:5000/api/productos/3/calorias

Send

ParamsAuthorizationHeaders (6)BodyScriptsTestsSettingsCookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

BodyCookiesHeaders (5)Test Results

200 OK • 37 ms • 245 B • Save Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "id": 3,
3   "nombre": "Galleta de helado",
4   "total_calorias": 10.92
5 }
```

GET http://127.0.0.1:5000/api/productos/4/calorias Send

Params Authorization Headers (6) Body Scripts Tests Settings Cookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

Body Cookies Headers (5) Test Results 200 OK • 49 ms • 245 B • Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 4,
3   "nombre": "Copa de chocolate",
4   "total_calorias": 10.92
5 }
```

GET http://127.0.0.1:5000/api/productos/5/calorias Send

Params Authorization Headers (6) Body Scripts Tests Settings Cookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

Body Cookies Headers (5) Test Results 404 NOT FOUND • 21 ms • 216 B • Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "message": "Producto no encontrado"
3 }
```

- Consultar la rentabilidad de un producto según su ID

GET http://127.0.0.1:5000/api/productos/1/rentabilidad Send

Params Authorization Headers (6) Body Scripts Tests Settings Cookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

Body Cookies Headers (5) Test Results 200 OK • 28 ms • 239 B • Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 1,
3   "nombre": "Copa de Fresa",
4   "rentabilidad": 16.44
5 }
```

GET

http://127.0.0.1:5000/api/productos/2/rentabilidad

Send

ParamsAuthorizationHeaders (6)BodyScriptsTestsSettingsCookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

BodyCookiesHeaders (5)Test Results

200 OK • 42 ms • 248 B • Save Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "id": 2,
3   "nombre": "Malteada de chocolate",
4   "rentabilidad": 132.88
5 }
```

GET

http://127.0.0.1:5000/api/productos/3/rentabilidad

Send

ParamsAuthorizationHeaders (6)BodyScriptsTestsSettingsCookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

BodyCookiesHeaders (5)Test Results

200 OK • 30 ms • 242 B • Save Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "id": 3,
3   "nombre": "Galleta de helado",
4   "rentabilidad": 2.74
5 }
```

GET http://127.0.0.1:5000/api/productos/4/rentabilidad Send

Params Authorization Headers (6) Body Scripts Tests Settings Cookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

Body Cookies Headers (5) Test Results 200 OK • 36 ms • 244 B • Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 4,
3   "nombre": "Copa de chocolate",
4   "rentabilidad": 105.48
5 }
```

GET http://127.0.0.1:5000/api/productos/5/rentabilidad Send

Params Authorization Headers (6) Body Scripts Tests Settings Cookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

Body Cookies Headers (5) Test Results 404 NOT FOUND • 137 ms • 216 B • Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "message": "Producto no encontrado"
3 }
```

- Consultar el costo de producción de un producto según su ID

GET http://127.0.0.1:5000/api/productos/1/costo Send

Params Authorization Headers (6) Body Scripts Tests Settings Cookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

Body Cookies Headers (5) Test Results 200 OK • 128 ms • 244 B • Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 1,
3   "nombre": "Copa de Fresa",
4   "costo_produccion": 7300.0
5 }
```

GET

http://127.0.0.1:5000/api/productos/2/costo

Send

ParamsAuthorizationHeaders (6)BodyScriptsTestsSettingsCookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

BodyCookiesHeaders (5)Test Results

200 OK • 40 ms • 252 B • Save Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "id": 2,
3   "nombre": "Malteada de chocolate",
4   "costo_produccion": 7300.0
5 }
```

GET

http://127.0.0.1:5000/api/productos/3/costo

Send

ParamsAuthorizationHeaders (6)BodyScriptsTestsSettingsCookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

BodyCookiesHeaders (5)Test Results

200 OK • 143 ms • 248 B • Save Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "id": 3,
3   "nombre": "Galleta de helado",
4   "costo_produccion": 7300.0
5 }
```

GET

http://127.0.0.1:5000/api/productos/6/costo

Send

ParamsAuthorizationHeaders (6)BodyScriptsTestsSettingsCookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

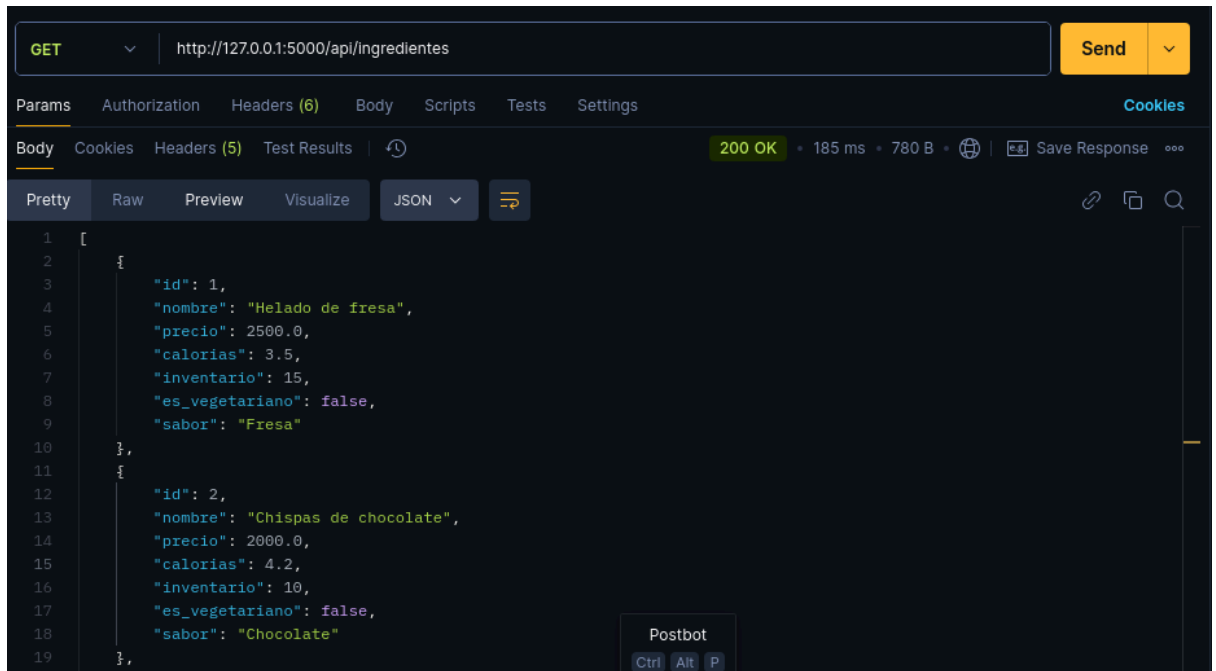
BodyCookiesHeaders (5)Test Results

404 NOT FOUND • 22 ms • 216 B • Save Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "message": "Producto no encontrado"
3 }
```

- Consultar todos los Ingredientes



GET

http://127.0.0.1:5000/api/ingredientes

Send

ParamsAuthorizationHeaders (6)BodyScriptsTestsSettingsCookies

BodyCookiesHeaders (5)Test Results

200 OK • 185 ms • 780 B • Save Response

PrettyRawPreviewVisualizeJSON

```
11 {
12   "id": 2,
13   "nombre": "Chispas de chocolate",
14   "precio": 2000.0,
15   "calorias": 4.2,
16   "inventario": 10,
17   "es_vegetariano": false,
18   "sabor": "Chocolate"
19 },
20 {
21   "id": 3,
22   "nombre": "Mani Japones",
23   "precio": 2800.0,
24   "calorias": 3.8,
25   "inventario": 12,
26   "es_vegetariano": false,
27   "sabor": "Mani"
28 }
29 }
```

Postbot
Ctrl Alt P

GET

http://127.0.0.1:5000/api/ingredientes/nombre/Mani japones

Send

ParamsAuthorizationHeaders (6)BodyScriptsTestsSettingsCookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

BodyCookiesHeaders (5)Test Results

200 OK • 33 ms • 327 B • Save Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "id": 3,
3   "nombre": "Mani Japones",
4   "precio": 2800.0,
5   "calorias": 3.8,
6   "inventario": 12,
7   "es_vegetariano": false,
8   "sabor": "Mani"
9 }
```

- Consultar un ingrediente según su ID

GET http://127.0.0.1:5000/api/ingredientes/1 Send

Params Authorization Headers (6) Body Scripts Tests Settings Cookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

Body Cookies Headers (5) Test Results 200 OK • 162 ms • 331 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 1,
3   "nombre": "Helado de fresa",
4   "precio": 2500.0,
5   "calorias": 3.5,
6   "inventario": 15,
7   "es_vegetariano": false,
8   "sabor": "Fresa"
9 }
```

GET http://127.0.0.1:5000/api/ingredientes/3 Send

Params Authorization Headers (6) Body Scripts Tests Settings Cookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

Body Cookies Headers (5) Test Results 200 OK • 21 ms • 327 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 3,
3   "nombre": "Mani Japones",
4   "precio": 2800.0,
5   "calorias": 3.8,
6   "inventario": 12,
7   "es_vegetariano": false,
8   "sabor": "Mani"
9 }
```

GET http://127.0.0.1:5000/api/ingredientes/5 Send

Params Authorization Headers (6) Body Scripts Tests Settings Cookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

Body Cookies Headers (5) Test Results 404 NOT FOUND • 63 ms • 219 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "message": "Ingrediente no encontrado"
3 }
```

- Consultar un ingrediente según su nombre

GET http://127.0.0.1:5000/api/ingredientes/nombre/Helado de fresa Send

Params Authorization Headers (6) Body Scripts Tests Settings Cookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

Body Cookies Headers (5) Test Results 200 OK • 209 ms • 331 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 1,
3   "nombre": "Helado de fresa",
4   "precio": 2500.0,
5   "calorias": 3.5,
6   "inventario": 15,
7   "es_vegetariano": false,
8   "sabor": "Fresa"
9 }
```

- Consultar si un ingrediente es sano según su ID

GET http://127.0.0.1:5000/api/ingredientes/es_sano/1 Send

Params Authorization Headers (6) Body Scripts Tests Settings Cookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

Body Cookies Headers (5) Test Results 200 OK • 16 ms • 243 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "nombre": "Helado de fresa",
3   "calorias": 3.5,
4   "es_sano": true
5 }
```

GET http://127.0.0.1:5000/api/ingredientes/es_sano/2 Send

Params Authorization Headers (6) Body Scripts Tests Settings Cookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

Body Cookies Headers (5) Test Results 200 OK • 20 ms • 248 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "nombre": "Chispas de chocolate",
3   "calorias": 4.2,
4   "es_sano": true
5 }
```

- En el caso de que no exista el ingrediente

The screenshot shows a REST client interface with a GET request to `http://127.0.0.1:5000/api/ingredientes/es_sano/5`. The response is a 404 NOT FOUND status with a response time of 19 ms and a body size of 219 B. The response body is displayed in JSON format:

```
1 {
2   "message": "Ingrediente no encontrado"
3 }
```

- Reabastecer un producto según su ID

The screenshot shows a REST client interface with a POST request to `http://127.0.0.1:5000/api/ingredientes/1/reabastecer`. The request body is set to raw JSON: `{ "inventario": 5 }`. The response is a 200 OK status with a response time of 1791 ms and a body size of 232 B. The response body is displayed in JSON format:

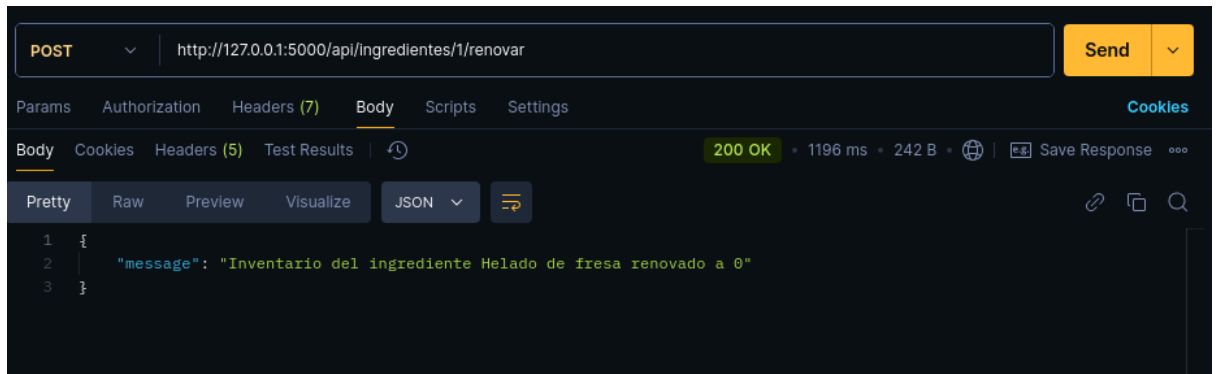
```
1 {
2   "message": "Ingrediente Helado de fresa reabastecido a 20"
3 }
```

- En el caso que no exista el producto

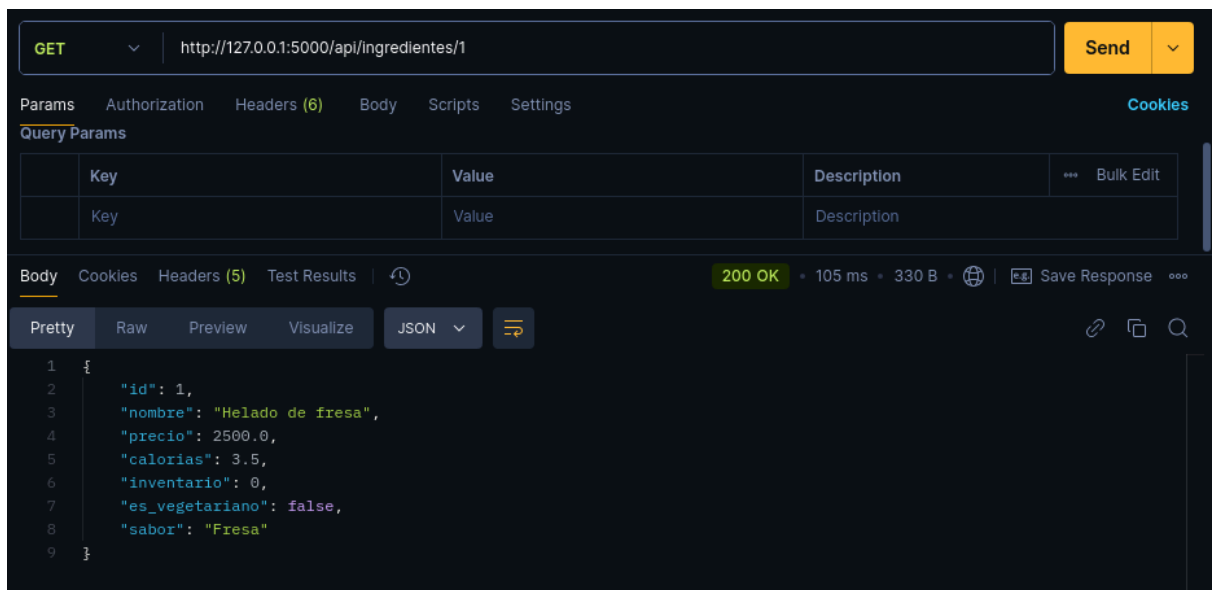
The screenshot shows a REST client interface with a POST request to `http://127.0.0.1:5000/api/ingredientes/5/reabastecer`. The request body is set to raw JSON: `{ "inventario": 3 }`. The response is a 404 NOT FOUND status with a response time of 52 ms and a body size of 219 B. The response body is displayed in JSON format:

```
1 {
2   "message": "Ingrediente no encontrado"
3 }
```

- Renovar el inventario de un producto según su ID



- Validar nuevamente el inventario, se evidencia que el inventario está en 0



- En el caso que no se encuentren ingredientes

