

Swiss food composition database

API 1.0.0 OAS3

API for accessing data available in Swiss food composition database.

Servers

https://api.webapp.prod.blv.foodcase-services.com/BLV_WebApp_WS

system ^

GET

/webresources/BLV-api/components

Get all used components

^

Returns a list of components used in system

Parameters

Try it out

Name	Description
lang string (query)	Language in which components should be returned Available values : de, en, fr, it Default value : en <div>en</div>

Responses

Code	Description	Links
------	-------------	-------

List of components

Media type

application/json

Controls Accept header.

Example Value Schema

```
[
  {
    "name": "string",
    "id": 0,
    "code": "string",
    "group": 0,
    "unit": 0,
    "sets": [
      {
        "name": "string",
        "id": 0
      }
    ]
  }
]
```

GET**/webresources/BLV-api/units** Get all used units

Returns a list of unit used in system

Parameters**Try it out****Name****Description****lang**
string
(query)

Language in which unit should be returned

Available values : de, en, fr, it*Default value* : en**Responses**

Code	Description	Links
200	List of units	No links
Media type		
application/json		
Controls Accept header.		
Example Value Schema		
<pre>[{ "name": "string", "id": 0, "code": "string" }]</pre>		

GET

/webresources/BLV-api/sets

Get all used component sets

^

Returns a list of component sets used in system

Parameters

Try it out

Name	Description
lang string (query)	Language in which component sets would be returned Available values : de, en, fr, it Default value : en <div>en</div>

Responses

Code	Description	Links
200		No links

List of component sets

Media type

application/json

Controls **Accept** header.

Example Value Schema

```
[
  {
    "name": "string",
    "id": 0
  }
]
```

GET

/webresources/BLV-api/groups

Get all groups



Returns a list of groups used in system

Parameters

Try it out

Name

Description

lang
string
(query)

Language in which component groups should be returned

Available values : de, en, fr, it

Default value : en

en

Responses

Code

Description

Links

200

List of groups

No links

Media type

application/json

Controls Accept header.

Example Value Schema

```
[
  {
    "name": "string",
    "id": 0,
    "parentComponentGroup": 0,
    "componentgroupidcomponent": 0,
    "sort": 0
  }
]
```

GET

**/webresources/BLV-api
/versiondb**

Get version of the database



Returns object indicating a version of the database

Parameters

Try it out

No parameters

Responses

Code

Description

Links

200

List of units

No links

Media type

application/json

Controls Accept header.

Example Value Schema

```
{
  "idversion": 0,
  "versiontext": "string"
}
```

data



GET

/webresources/BLV-api/values

Get all values from the given food



Returns a list of values from given food

Parameters

Try it out

Name

Description

DBID * required

integer(\$int64)

(query)

DBID of the food which values should be returned

DBID

componentsetid * required

integer(\$int64)

(query)

ID of the component set from which values should be returned

componentsetid

lang

string

(query)

Language in which values should be returned

Available values : de, en, fr, it

Default value : en

en

Responses

Code

Description

Links

200

List of values

No links

Media type

application/json

Controls Accept header.

```
[
  {
    "id": 0,
    "value": "string",
    "references": [
      {
        "id": 0,
        "citation": "string",
        "title": "string",
        "authors": "string",
        "typeDescriptor": "string"
      }
    ],
    "component": {
      "name": "string",
      "id": 0,
      "code": "string",
      "group": 0,
      "unit": 0,
      "sortorder": 0,
      "componentsets": [
        0
      ]
    },
    "unit": "string"
  }
]
```

GET

/webresources/BLV-api/foods_old

Get all old foods matching search criteria

⌵

GET

/webresources/BLV-api/categories

Get all used categories

⌴

Returns a list of categories used in system

Parameters

Try it out

Name	Description
lang string (query)	Language in which categories should be returned Available values : de, en, fr, it Default value : en <div>en</div>

Responses

Code	Description	Links
200	List of categories	No links
Media type		
application/json		
Controls Accept header.		
Example Value Schema		
<pre>[{ "name": "string", "id": 0 }]</pre>		

GET

/webresources/BLV-api
/langualcodes

Get all langual codes associated with a particular food



Returns a list of langual codes associated with a particular food

Parameters

Try it out

Name	Description
DBID * required integer(\$int64) (query)	DBID of the food, which Languages codes should be retrieved

Responses

Code	Description	Links
------	-------------	-------

200

List of languag codes

No links

Media type

application/jsonControls **Accept** header.**Example Value** Schema

```
[
  {
    "letter": "string",
    "description": "string",
    "classification": "string"
  }
]
```

GET**/webresources/BLV-api
/topcategories**

Get top level categories



Returns a list of top level categories used in system

Parameters**Try it out****Name****Description****lang**
string
(query)Language in which top level categories should be returned
Available values : de, en, fr, it
Default value : en**Responses****Code****Description****Links**

200

List of categories

No links

Media type

application/json

Controls Accept header.

Example Value Schema

```
[
  {
    "name": "string",
    "id": 0
  }
]
```

GET

/webresources/BLV-api/foods

Get all foods matching search criteria



Returns a list of foods

Parameters

Try it out

Name

Description

type

boolean

(query)

Indicate if considered food should be generic

search

string

(query)

Search term to search through food names

category

integer(\$int32)

(query)

Top level category ID from which subcategories are specified and values should be retrieved

subcategory

array[integer]

(query)

List of subcategories ID, from which values should be taken of

component

integer(\$int64)

(query)

ID of the component from which values should be returned

component

operator
string
(query)

Operator to make comparison between food values and amount parameter

Available values : <, >, =

...

amount
integer(\$int64)
(query)

Value taken into account in comparing value against comparisonOperator specified

amount

lang
string
(query)

Language in which value should be returned

Available values : de, en, fr, it

Default value : en

en

limit
integer(\$int64)
(query)

Max number of results returned

limit

offset
integer(\$int64)
(query)

Offset of the first result returned

offset

Responses

Code

Description

Links

200

List of foods with synonyms and categories

No links

Media type

application/json

Controls Accept header.

Example Value Schema

```
[
  {
    "id": 0,
    "generic": true,
    "names": [
      {
        "id": 0,
        "term": "string"
      }
    ],
    "synonyms": [
      {
        "id": 0,
        "term": "string",
        "type": "string"
      }
    ],
    "categories": [
      0
    ]
  }
]
```

GET

**/webresources/BLV-api
/subcategories/{id}**

Get all subcategories of particular top
level category



Returns a list of subcategories of particular top level category

Parameters

Try it out

Name

Description

lang
string
(query)

Language in which subcategories should be returned
Available values : de, en, fr, it
Default value : en

en

id * required

integer(\$int64) ID of top level category

(path)

id

Responses

Code

Description

Links

200

List of categories

No links

Media type

application/json

Controls Accept header.

Example Value Schema

```
[
  {
    "name": "string",
    "id": 0
  }
]
```

GET

/webresources/BLV-api
/fooddbid/{foodId}

Get DBID of the food using foodId



Returns a food DBID

Parameters

Try it out

Name

Description

foodId * required

integer(\$int64)

ID of the food, which database ID should be retrieved

(path)

foodId

Responses

Code	Description	Links
200	<div>Integer DBID</div> <div>Media type</div> <div><div>application/json</div></div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div><pre>[{ "name": "string", "id": 0, "code": "string" }]</pre></div>	No links

GET

/webresources/BLV-api
/categorizedfoods

Get all foods gathered by category and counted matching search criteria



Returns a list categories matching search criteria with number of foods

Parameters

Try it out

Name	Description
type boolean (query)	<div>Indicate if considered food should be generic</div> <div><input type="text"/></div>
search string (query)	<div>Search term to search through food names</div> <div><input type="text"/></div>
category integer(\$int32) (query)	<div>Top level category ID from which subcategories are specified and values should be retrieved</div>

subcategory

array[integer] List of subcategories ID, from which values should be taken of
(query)

component

integer(\$int64) ID of the component from which values should be returned
(query)

operator

string Operator to make comparison between food values and amount
(query)

Available values : <, >, =

amount

integer(\$int64) Value taken into account in comparing value against
(query) comparisonOperator specified

lang

string Language in which categories should be returned
(query)

Available values : de, en, fr, it

Default value : en

limit

integer(\$int64) Max number of results returned
(query)

offset

integer(\$int64) Unused
(query)

Responses

Code	Description	Links
200	<p>List of categories with number of foods</p> <p>Media type</p> <div>application/json</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>[{ "categoryId": 0, "categoryName": "string", "numberOfFoods": 0 }]</pre>	No links

GET

/webresources/BLV-api/food/{DBID}

Get particular food

^

Returns particular food indicated by DBID

Parameters

Try it out

Name	Description
<div> <div>lang</div> <div>string</div> <div>(query)</div> </div>	<div>Language in which food should be returned</div> <div>Available values : de, en, fr, it</div> <div>Default value : en</div> <div>en</div>
<div> <div>DBID ★ required</div> <div>integer(\$int64)</div> <div>(path)</div> </div>	<div>DBID of the food, which should be retrieved</div> <div>DBID</div>

Responses

Code	Description	Links
------	-------------	-------

200	Food indicated by DBID	No links
-----	------------------------	----------

Media type

application/json

Controls **Accept** header.

Example Value Schema

```
{
  "name": "string",
  "id": 0,
  "ncf": 0,
  "facf": 0,
  "isgeneric": true,
  "isrecipe": true,
  "synonyms": [
    {
      "id": 0,
      "term": "string",
      "type": "string"
    }
  ],
  "categories": [
    {
      "name": "string",
      "id": 0
    }
  ],
  "values": [
    {
      "id": 0,
      "value": 0,
      "rawValue": 0
    }
  ]
}
```

GET

/webresources/BLV-api
/ingredients

Get all ingredients of particular food ^

Returns a list of ingredients of particular food

Parameters

Try it out

Name	Description
------	-------------

DBID * required

integer(\$int64) DBID of the food for which ingredients should be retrieved

(query)

DBID

lang

string

(query)

Language in which ingredient should be returned

Available values : de, en, fr, it

Default value : en

en

Responses

Code

Description

Links

200

List of ingredients

No links

Media type

application/json

Controls **Accept** header.

Example Value Schema

```
[
  {
    "foodid": {
      "name": "string",
      "id": 0,
      "issearchable": true
    },
    "amount": 0,
    "percent": 0,
    "unit": "string",
    "isrecipe": true,
    "dummyprepmethods": "string"
  }
]
```

GET

**/webresources/BLV-api/source
/{DBID}**

Get source value of particular food
component



Returns source value of particular food component

Parameters

Try it out

Name	Description
DBID ★ required <code>integer(\$int64)</code> <i>(path)</i>	DBID of the food component which values should be returned
	<input type="text" value="DBID"/>

Responses

Code	Description	Links
200	<p>Source value</p> <p>Media type</p> <div>application/json</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>{ "acquisitionTypeDescriptor": "string", "methodIndicatorDescriptor": "string", "references": [{ "id": 0, "citation": "string", "title": "string", "authors": "string", "typeDescriptor": "string" }], "updated": "2025-03-30T15:26:37.366Z", "minimum": 0, "maximum": 0, "n": 0, "methodindicatorcode": "string", "valuetypecode": "string", "contributingvalues": "string", "contributingvaluetypes": "string", </pre>	No links

```
"methodtypecode": "string",
"containformula": true,
"isborrowed": true,
"isrescaled": true,
"ifixed": true
```

GET

/webresources/BLV-api/value
/{DBID}

Get particular value indicated by DBID ^

Returns a value

Parameters

Try it out

Name	Description
------	-------------

lang string (query)	Language in which value should be returned Available values : de, en, fr, it Default value : en
---------------------------	---

DBID * required

integer(\$int64) (path)	DBID of the requested value
----------------------------	-----------------------------

Responses

Code	Description	Links
------	-------------	-------

200	Value	No links
-----	-------	----------

Media type

application/json

Controls Accept header.

Example Value Schema

```
{
  "id": 0,
  "value": "string",
  "references": [
    {
      "id": 0,
      "citation": "string",
      "title": "string",
      "authors": "string",
      "typeDescriptor": "string"
    }
  ],
  "component": {
    "name": "string",
    "id": 0,
    "code": "string",
    "group": 0,
    "unit": 0,
    "sortorder": 0,
    "componentsets": [
      0
    ]
  },
  "unit": "string",
  "minimum": "string"
}
```



GET

/webresources/BLV-api
/reloadCache

Reload of the cache



Reloads the local database cache of the application. Use in case of the faulty situations.

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	Indicator if cache reload completed successfully	No links
Media type		
application/json		
Controls Accept header.		
Example Value Schema		
true		



GET

/webresources/BLV-api
/genericCount

Get amount of generic foods



Returns a number of generic foods in database

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	<p>Two integers first indicating generic foods, the second one not generic.</p> <p>Media type</p> <div>application/json</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>[0]</pre>	No links

Schemas



```
ComponentSet {  
  name string  
  id integer($int32)  
}
```

```
ComponentWithSets {
  name      string
  id        integer($int32)
  code      string
  group     integer($int32)
  unit      integer($int32)
  sets      [...]
}
```

```
Component {
  name      string
  id        integer($int32)
  code      string
  group     integer($int32)
  unit      integer($int32)
  sortorder integer($int32)
  componentsets [...]
}
```

```
Reference {
  id          integer($int32)
  citation*   string
              maxLength: 2147483647
              minLength: 1
  title       string
              maxLength: 2147483647
              minLength: 0
  authors     string
              maxLength: 2147483647
              minLength: 0
  typeDescriptor string
              maxLength: 2147483647
              minLength: 0
}
```

```
ValueFormatted {
  id          integer($int32)
  value       string
  references  [...]
  component   Component {...}
  unit        string
  minimum     string
  maximum     string
  n           number
  derivationOfValue string
  sourceInfoLevel integer($int32)
}
```



```
Unit    {
  name
  id      integer($int32)
  code*   string
          maxLength: 2147483647
          minLength: 1
}
```

```
FoodWithNamesSynonymesCategories  {
  id      integer($int32)
  generic* boolean
  names   [...]
  synonyms
  categories
          [...]
}
```

```
Name    {
  id      integer($int32)
  term    string
}
```

```
Synonym  {
  id      integer($int32)
  term    string
  type    string
}
```

```
Category  {
  name    string
  id      integer($int32)
}
```

```
ComponentGroup  {
  name      string
  id        integer($int32)
  parentComponentGroup integer($int32)
  componentgroupidcomponent integer($int32)
  sort      integer($int32)
  getChildComponentGroup
          [...]
}
```

```
LangualDTO {
  letter
  description
  classification
}
```

```
Versiondb {
  idversion*
  versiontext*
}
integer($int32)
string
maxLength: 10
minLength: 1
```

```
CategoryWithNumberOfFoodDTO {
  categoryId
  categoryName
  numberOfFoods
}
```

```
Food {
  name
  id
  ncf
  facf
  isgeneric*
  isrecipe*
  synonyms
  categories
  values
  matrixunitcode
  specificgravity
  yieldfactor
  foodid
}
```

```
Value {
  id integer($int32)
  value number
  rawValue number
  references [...]
  component Component {...}
  unit Unit {...}
  minimum number
  maximum number
  n number
  contrMethodTypes string
  valueTypeCode string
  contributingvalues string
  contributingvaluetypes string
  methodIndicatorCode string
  containformula boolean
  isborrowed boolean
  isrescaled boolean
  isfixed boolean
  methodtypecode string
}
```

```
FoodName {
  name string
  id integer($int32)
  issearchable boolean
}
```

```
Ingredient {
  foodid FoodName {...}
  amount number
  percent number
  unit string
  isrecipe* boolean
  dummyprepmethods string
}
```

```
SourceValueDTO {
  acquisitionTypeDescriptor string
  methodIndicatorDescriptor string
  references                [...]
  updated                   string($date-time)
  minimum                   number
  maximum                   number
  n                         number
  methodIndicatorcode       string
  valueTypecode             string
  contributingvalues         string
  contributingvaluetypes    string
  methodtypecode            string
  containformula            boolean
  isborrowed                boolean
  isrescaled                boolean
  isfixed                   boolean
  contrMethodTypes          string
}
```