

# **myHealthbox API**

## **Version 2.1**

**Release: 2.1.2**

**Release date: 11-09-2024**

# Introduction

## Before You Begin

This document is intended for website and mobile developers who want to use the healthcare products information supplied by the myHealthbox platform within their applications or services.

## Attribution

Any web or mobile applications using the myHealthbox API(s) must display the “powered by myHealthbox” attribution and a link to the myHealthbox web site (<https://myhealthbox.eu>) in a suitable place.

## Usage restrictions

If your myHealthbox API Implementation generates a high volume of transactions, myHealthbox reserves the right to set limitations based of a maximum number of calls per sec/hour or limit response times.

## Formats

Results can be returned in either json (default) or xml format.

Note must be taken as some browsers may automatically put a "Content-Type: application/xml" tag in the header and this may force the API to return results in xml format even if the call is made with no format indication.

To make sure you always get a result in **json** format simply use the extension “.json” in the function call, an extension ".xml" can be used to return results in **xml** format.

*For example: <https://myhealthbox.eu/api/2.1/search/fulltext.json?q=nuxe&l=el&c=gr>*

## License

All API calls require a “key” parameter to provide a valid license key, a license key can be obtained by contacting myHealthbox Customer Service ([info@myhealthbox.eu](mailto:info@myhealthbox.eu)) or Sales ([sales@myhealthbox.eu](mailto:sales@myhealthbox.eu)) departments.

# Supported APIs

## **Fulltext Search (search/fulltext)**

Perform a full text search on the myHealthbox database and return a set of matches, a number of parameters allow to limit the search to a specific country and/or language or field.

## **Updated Documents (search/updatedDocuments)**

Return a list of documents that have been updated after a given date or within a given time interval.

## **Product Info (product/info)**

Return all available attributes for a given product.

## **Product Documents (product/documents)**

Return a list of documents associated with a specific product.

## **Get document Url (document/getUrl)**

Return an URL to a document.

## **Alerts Search (search/alerts)**

Perform a full text search on the myHealthbox alerts database and return a set of matches, a number of parameters allow to limit the search to a specific country and/or language or field.

## **Shortages Search (search/shortages)**

Perform a full text search on the myHealthbox shortages database and return a set of matches, a number of parameters allow to limit the search to a specific country and/or language or field.

## Supported countries

The following countries and country codes are supported:

bg	bulgaria
es	spain
cz	czech_republic
dk	denmark
de	germany
ee	estonia
gr	greece
gb	great_britain
fr	france
it	italy
lv	latvia
lt	lithuania
hu	hungary
mt	malta
nl	netherlands
pl	poland
pt	portugal
ro	romania
sk	slovakia
si	slovenia
fi	finland
se	sweden
ru	russia
br	brazil
ca	canada
us	united_states
ch	switzerland
at	austria
be	belgium
cy	cyprus
is	iceland
ie	ireland
no	norway
hr	croatia
eu	europa
za	south_africa
lu	luxembourg
ng	nigeria
tr	turkey
ad	andorra
ar	argentina
am	armenia
au	australia
bh	bahrain
bd	bangladesh
by	belarus
ba	bosnia_and_herzegovina
cm	cameroon

cl	chile
cn	china
cu	cuba
eg	egypt
gt	guatemala
in	india
il	israel
ke	kenya
li	liechtenstein
my	malaysia
nz	new_zealand
pk	pakistan
pa	panama
pe	peru
ph	philippines
rs	serbia
sg	singapore
kr	south_korea
tz	tanzania
th	thailand
tn	tunisia
ug	uganda
ae	united_arab_emirates
uy	uruguay
ve	venezuela
vn	vietnam
zw	zimbabwe

# Supported languages

The following languages and language codes are supported:

Bulgarian	bg
Spanish	es
Czech	cs
Danish	da
German	de
Estonian	et
Greek	el
English	en
French	fr
Italian	it
Latvian	lv
Lithuanian	lt
Hungarian	hu
Maltese	mt
Dutch	nl
Polish	pl
Portuguese	pt
Romanian	ro
Slovakian	sk
Slovenian	sl
Finnish	fi
Swedish	sv
Russian	ru
Arabic	ar
Norwegian (bokmål)	nb
Turkish	tr
Hindi	hi
Chinese	zh
Japanese	ja
Ukrainian	uk
Icelandic	is
Swahili	sw
Indonesian	id
Croatian	hr
Serbian	sr
Hebrew	he
Armenian	hy
Malaysian	ms
Vietnamese	vi
Catalan	ca
Korean	ko
Bengali	bn

# API

GET /search/fulltext

## Description

Run a full text search against the database and return a list of products that match the query term(s).

## Parameters

Name	Description	Type	Notes
q	query terms	string	Minimum length: 3 chars
c	country, 2-letters code	string	See the <i>Supported countries</i> section
l	language, 2-letters code	string	See the <i>Supported languages</i> section
f	restrict search to the named fields	string	One of: <i>name</i> , <i>active_ingredient</i> , <i>barcode</i> , <i>atc_code</i>
limit	set max numbers of results to return	int	Max value: 100
from	return results starting from x	int	
key	license key	string	

## Returned values

A list of products that match the searched terms and parameters used.

## Call examples

[https://myhealthbox.eu/api/2.1/search/fulltext?q=aspirin&l=en&c=us&limit=20&key=your\\_license\\_key](https://myhealthbox.eu/api/2.1/search/fulltext?q=aspirin&l=en&c=us&limit=20&key=your_license_key)

[https://myhealthbox.eu/api/2.1/search/fulltext?q=aspirin&l=en&c=us&key=your\\_license\\_key](https://myhealthbox.eu/api/2.1/search/fulltext?q=aspirin&l=en&c=us&key=your_license_key)

[https://myhealthbox.eu/api/2.1/search/fulltext?q=aspirin&l=en&c=us&f=name&key=your\\_license\\_key](https://myhealthbox.eu/api/2.1/search/fulltext?q=aspirin&l=en&c=us&f=name&key=your_license_key)

[https://myhealthbox.eu/api/2.1/search/fulltext?q=0232801&f=barcode&c=gr&key=your\\_license\\_key](https://myhealthbox.eu/api/2.1/search/fulltext?q=0232801&f=barcode&c=gr&key=your_license_key)

## Returned values examples

```
{
  2 items
  "total_results": 10
  "result": [ 10 items
    0: { 9 items
      "product_id": "3840955"
      "name": "ASPIRIN"
      "commercial_name": "ASPIRIN- aspirin tablet, film coated"
      "mah": "CVS Pharmacy"
      "dosage": ""
      "active_ingredient": "ASPIRIN (UNII: R16CO5Y76E) (ASPIRIN - UNII:R16CO5Y76E)"
      "pharmaceutical_form": ""
      "countryCode": "us"
      "languageCode": "en"
    }
  ]
}
```

# API

GET /search/updatedDocuments

## Description

Find all documents updated after a given date or within a given time interval. By default the date used is the date when the document was updated in the source (this would be the date of the official update of the document), by using the **t** parameter it is possible to use the date when the database record was updated in myHealthbox instead.

## Parameters

Name	Description	Type	Notes
sd	start date	date	Format is yyyy-mm-dd
ed	end date	date	Format is yyyy-mm-dd
c	restrict search to specific country	string	See the <i>Supported countries</i> section
l	restrict search to specific language	string	See the <i>Supported languages</i> section
t	restrict search to specific document type	string	One of: <i>pil,spc,par,sds,man,inf,mmr,hta</i>
limit	set max numbers of results to return	int	Max value: 100
from	return results starting from x	int	
key	license key	string	

## Document types

The following document types are supported:

pil (Patient Information Leaflet)

spc (Summary of Product Characteristics)

par (Public Assessment Report)

sds (Safety Data Sheet)

man (User Manual)

inf (Product Information)

mmr (Additional Risk Minimisation Measures)

hta (Health Technology Assessment Report).

## Returned values

A list of documents updated after the specific date or within the specified interval.

## Call examples

[https://myhealthbox.eu/api/2.1/search/updatedDocuments?sd=2020-06-01&c=de&key=your\\_license\\_key](https://myhealthbox.eu/api/2.1/search/updatedDocuments?sd=2020-06-01&c=de&key=your_license_key)

[https://myhealthbox.eu/api/2.1/search/updatedDocuments?sd=2020-06-01&c=de&l=de&t=pil&key=your\\_license\\_key](https://myhealthbox.eu/api/2.1/search/updatedDocuments?sd=2020-06-01&c=de&l=de&t=pil&key=your_license_key)



## Returned values examples

```
{
  2 items
  "total_results": 32
  "result": [ 32 items
    0: { 10 items
      "document_id": 3461828
      "nman_code": "us_061cf52b_4432_422d_a97b_c3e1f8c4bab6"
      "commercial_name": "OXYCODONE HYDROCHLORIDE capsule"
      "mah": "Genus Lifesciences Inc."
      "language_code": "en"
      "source": "NLM (National Library of Medicine)"
      "mime_type": "application/pdf"
      "leafletTypeCode": "PIL"
      "lastUpdated": "2019-10-28"
      "lastUpdate": "2020-07-13 11:11:56"
    }
  ]
}
```

## API domain

GET /product/info

## Description

Find all available information related to a specific product.

## Parameters

Name	Description	Type	Notes
product_id	product ID number	int	This value is returned by a search call (i.e. product_id)
key	license key	string	

## Returned values

A list of properties and values associated to a product.

## Call examples

[https://myhealthbox.eu/api/2.1/product/info?product\\_id=3521580&key=your\\_license\\_key](https://myhealthbox.eu/api/2.1/product/info?product_id=3521580&key=your_license_key)

## Returned values examples

```
{
  2 items
  "total_results": 1
  "result": [1 item
    0: {32 items
      "product_id": 3521578
      "EMEA_code": "EMEA/H/C/000471"
      "EU_code": NULL
      "NMAN_code": "eu_hum_EMEA_H_C_000471"
      "EAN_code": NULL
      "product_code": "EMEA/H/C/000471"
      "barcode": NULL
      "atc_code": "N05AX12"
      "domain": "Humans"
      "category": "Allopathic drug"
      "name": "Abilify"
      "inn": "aripiprazole"
      "commercial_name": "Abilify"
      "composition": NULL
      "pharmaceutical_form": NULL
      "administration_route": NULL
      "active_ingredient": "aripiprazole"
      "class": NULL
      "mah": "Otsuka Pharmaceutical Netherlands B.V."
      "producer": NULL
      "ma_date": "2004-06-04"
      "ma_number": "EMEA/H/C/000471"
      "ma_status": "Authorised"
    }
  ]
}
```

"prescription\_type":NULL

"dosage":NULL

"therapeutic\_area":"Schizophrenia, Bipolar Disorder"

"therapeutic\_group":"Psycholeptics,"

"therapeutic\_indication":"Abilify is indicated for the treatment of schizophrenia in adults and in adolescents aged 15 years and older., Abilify is indicated for the treatment of moderate to severe manic episodes in Bipolar I Disorder and for the prevention of a new manic episode in adults who experienced predominantly manic episodes and whose manic episodes responded to aripiprazole treatment., Abilify is indicated for the treatment up to 12 weeks of moderate to severe manic episodes in Bipolar I Disorder in adolescents aged 13 years and older.,"

"countryCode":"eu"

"languageCode":"en"

"source":"EMA (European Medicines Agency)"

"leaflet\_short":"Revision: 46"

}  
|  
}

## API domain

GET /product/documents

## Description

Find all documents related to a specific product.

## Parameters

Name	Description	Type	Notes
nman_code	Internal code	string	This value is returned by an <b>info</b> call (i.e. nman_code)
key	license key	string	

## Returned values

A list of documents associated to a given product.

## Call examples

[https://myhealthbox.eu/api/2.1/product/documents?nman\\_code=eu\\_hum\\_EMEA\\_H\\_C\\_000471&key=your\\_license\\_key](https://myhealthbox.eu/api/2.1/product/documents?nman_code=eu_hum_EMEA_H_C_000471&key=your_license_key)

## Returned values examples

```
{
  2 items
  "total_results":73
  "result":[73 items
    0:{9 items
      "document_id":"2121576"
      "nman_code":"eu_hum_EMEA_H_C_000471"
      "mah":"Otsuka Pharmaceutical Netherlands B.V."
      "language_code":"bg"
      "source":"EMA (European Medicines Agency)"
      "mime_type":"application/pdf"
      "leafletTypeCode":"PIL"
      "lastUpdated":"2020-05-07"
      "lastUpdate":"2020-05-09 15:25:09"
    }
  ]
}
```

...

## API domain

GET /document/getUrl

## Description

Get the url to view/download a document

## Parameters

<i>Name</i>	<i>Description</i>	<i>Type</i>	<i>Notes</i>
document_id	Internal code	int	This value is returned by an <b>product/documents</b> call
key	license key	string	

## Returned values

A full url to the document, this is a temporary url valid only for 24 hours. Note that returned documents can be in different formats, typically pdf or html.

## Call examples

pdf format:

[https://myhealthbox.eu/api/2.1/document/getUrl?document\\_id=2121579&key=your\\_license\\_key](https://myhealthbox.eu/api/2.1/document/getUrl?document_id=2121579&key=your_license_key)

html format:

[https://myhealthbox.eu/api/2.1/document/getUrl?document\\_id=1859976&key=your\\_license\\_key](https://myhealthbox.eu/api/2.1/document/getUrl?document_id=1859976&key=your_license_key)

## Returned values examples

```
<response>  
<total_results>1</total_results>  
<result>https://myhealthbox.eu/web/cache/2423114.pdf</result>  
</response>
```

```
<response>  
<total_results>1</total_results>  
<result>  
https://myhealthbox.eu/web/cache/1859976/index.html  
</result>  
</response>
```

# API

GET /search/alerts

## Description

Run a full text search against the alerts database and return a list of alerts that match the query term(s).

## Parameters

Name	Description	Type	Notes
q	query terms	string	Minimum length: 3 chars
c	country, 2-letters code	string	See the <i>Supported countries</i> section
l	language, 2-letters code	string	See the <i>Supported languages</i> section
limit	set max numbers of results to return	int	Max value: 100
from	return results starting from x	int	
key	license key	string	

## Returned values

A list of alerts messages that match the searched terms and parameters used.

## Call examples

[https://myhealthbox.eu/api/2.1/search/alerts?q=aspirin&l=en&c=us&limit=20&key=your\\_license\\_key](https://myhealthbox.eu/api/2.1/search/alerts?q=aspirin&l=en&c=us&limit=20&key=your_license_key)

[https://myhealthbox.eu/api/2.1/search/alerts?q=aspirin&l=en&c=us&key=your\\_license\\_key](https://myhealthbox.eu/api/2.1/search/alerts?q=aspirin&l=en&c=us&key=your_license_key)

## Returned values examples

```
<response>
<total_results>1</total_results>
<result>
<item>
<title>
Aurobindo Pharma USA, Inc. on Behalf of AuroHealth, Issues Voluntary Nationwide Recall of one (1) Lot of Healthy Living Over the Counter (OTC) Migraine Relief: Acetaminophen 250mg; Aspirin 250mg; Caffeine 65mg Tablets, Due to Missing Manufacturer Label
</title>
<ref_link>
https://www.fda.gov/safety/recalls-market-withdrawals-safety-alerts/aurobindo-pharma-usa-inc-behalf-aurohealth-issues-voluntary-nationwide-recall-one-1-lot-healthy
</ref_link>
<description/>
<author/>
<category>Drugs, Mislabeling</category>
<comments/>
<pubdate>16-10-2024</pubdate>
<source/>
<countryCode>us</countryCode>
<languageCode>en</languageCode>
</item>
</result>
</response>
```

# API

GET /search/shortages

## Description

Run a full text search against the shortages database and return a list of shortage information rows that match the query term(s).

## Parameters

Name	Description	Type	Notes
q	query terms	string	Minimum length: 3 chars. Text searched in the following fields: product_name, product_code, mah, active_ingredient, atc_code
sd	shortage start date	date	date format: yyyy-mm-dd
ed	shortage end date	date	date format: yyyy-mm-dd
c	country, 2-letters code	string	See the <i>Supported countries</i> section
l	language, 2-letters code	string	See the <i>Supported languages</i> section
limit	set max numbers of results to return	int	Max value: 100
from	return results starting from x	int	
key	license key	string	

## Returned values

A list of shortages information rows that match the searched terms and parameters used.

## Call examples

[https://myhealthbox.eu/api/2.1/search/shortages?q=amo&sd=2023-06-01&l=de&c=de&limit=20&key=your\\_api\\_key](https://myhealthbox.eu/api/2.1/search/shortages?q=amo&sd=2023-06-01&l=de&c=de&limit=20&key=your_api_key)

[https://myhealthbox.eu/api/2.1/search/shortages?q=am&c=it&key=your\\_api\\_key](https://myhealthbox.eu/api/2.1/search/shortages?q=am&c=it&key=your_api_key)

[https://myhealthbox.eu/api/2.1/search/shortages?q=D08AX04&key=your\\_api\\_key](https://myhealthbox.eu/api/2.1/search/shortages?q=D08AX04&key=your_api_key)

[https://myhealthbox.eu/api/2.1/search/shortages?q=amol&c=de&key=your\\_api\\_key](https://myhealthbox.eu/api/2.1/search/shortages?q=amol&c=de&key=your_api_key)

[https://myhealthbox.eu/api/2.1/search/shortages?ed=2024-10-01&key=your\\_api\\_key](https://myhealthbox.eu/api/2.1/search/shortages?ed=2024-10-01&key=your_api_key)

## Returned values examples

```
<response>
<total_results>20</total_results>
<result>
<item>
<product_name>
Salbutamol - 1 A Pharma 0,1 mg Druckgasinhalation, Suspension
</product_name>
<product_code>05391873</product_code>
<mah>1 A Pharma GmbH</mah>
<active_ingredient>Salbutamolsulfat</active_ingredient>
<atc_code>R03AC02</atc_code>
<therapeutic_alternative/>
<shortage_reason>Sonstige - Erhöhte Nachfrage</shortage_reason>
<shortage_start>2023-07-20</shortage_start>
<shortage_end>2024-12-31</shortage_end>
```

<additional\_information>

ENR: 2167868; Bearbeitungsnummer: LE2024001777; Referenzierte Erstmeldung: LE2023002857; Meldungsart: Änderungsmeldung; Krankenhausrelevant: nein; Datum der Erstmeldung: 2023-07-21; Info an Fachkreise: Vorgesehen; Darreichungsform: Druckgasinhalation, Suspension

</additional\_information>

<language\_code>de</language\_code>

<country\_code>de</country\_code>

<last\_updated/>

</item>