 PharmaSecure	Template	Document Number	Effective Date
	PharmaSecure API Integration	N/A	11 th Nov 2015



Single Verification (Code Authentication) API Details (Web)



	Template	Document Number	Effective Date
	PharmaSecure API Integration	N/A	11 th Nov 2015

Table of Content

Introduction	3
API Details	3
Valid Code Response	4
Invalid Code Response	6
Message Status Types.....	6
Error Responses.....	7
Error Codes	7

 PharmaSecure	Template	Document Number	Effective Date
	PharmaSecure API Integration	N/A	11 th Nov 2015

Introduction

PharmaSecure has implemented an API for gaining access to its psVerify™ service for verification of PharmaSecure coded products. The API is a HTTP API and supports both GET and POST methods and is capable of returning results in XML and JSON format.

API Details

Pre-requisites

1. **A Key will be provided by PharmaSecure for restricting access to this API**
2. **Testing URL :** <http://tu.d.pharmasecure.com/psrouter/index.php>

Testing Key: 5QX5IYF2Z6BX3919

URL: *Production URL will be shared separately*

Method: POST or GET

Parameters:

key¹: A key is provided by PharmaSecure for authorized access

type: Request type for the API

[Value should be 'ca' in case of verification requests]

send: Mobile number of the user

[Value should be '0' in case mobile number is not available. But, it is recommended to capture it, as it is an important attribute to know more about a user and track his verification requests. The mobile number should have the country code as well, in case of India it will be '91']

msg: Code to be verified

browser: browser of the user ['unknown' if not available]

version: version of the browser ['unknown' if not available]

os: operating system of the user ['unknown' if not available]


o: Output type

[Value should be 'xml' or 'json']

source: The request source

[Value should be 'web']

¹ The API key should be kept securely and have limited access. In case the key is compromised please inform PharmaSecure immediately.

 PharmaSecure	Template	Document Number	Effective Date
	PharmaSecure API Integration	N/A	11 th Nov 2015

Note: If you are using POST method please name your submit button as 'Submit' and it is case sensitive.

Sample URL Call:

http://tu.d.pharmasecure.com/psrouter/index.php?key=5QX5IYF2Z6BX3919&type=ca&send=9100000000000&msg=6WH8XXWB&browser=IE&version=9&os=Windows&source=web&o=xml


Valid Code Response

Full URL for XML output type:

URL/index.php?key=<API_key>&type=ca&send=<mobile_number>&msg=<code>&browser=<browser_of_the_user>&version=<browser_version>&os=<operating_system_of_user>&source=web&o=xml

Output:

```
<?xml version="1.0"?>
<codes>
  <codeobj>
    <code>6WH8XXWB</code>
    <batch>20558</batch>
    <BatchName>nitin123</BatchName>
    <product>Digitaleducation</product>
    <manufacturer>extramarks</manufacturer>
    <mfg_date>2016-07-01</mfg_date>
    <expiry_date>2017-06-30</expiry_date>
    <mobile_number>910000000000</mobile_number>
    <message>!!Warning!!! Oververified code by 7 times !! Please contact the chemist for further assistance.</message>
    <status>oververified</status>
  </codeobj>
```

 PharmaSecure	Template	Document Number	Effective Date
	PharmaSecure API Integration	N/A	11 th Nov 2015

</codes>

The above output should be parsed for displaying the information to the end user where the *message* is the actual message that should be displayed to the user as this is what he will see when he sends SMS as well.

The details of each field are as follows:

code: The code sent in by the user / during the invocation of the API. This should be between 8 and 13 characters otherwise don't make the call to the web service and treat it as invalid code.

Batch: This is the numeric identifier of the batch in our system

BatchName: This is the batch/lot number associated with the code

Product: This is the name of the product associated with the code

Manufacturer: This is the name of the manufacturer associated with the code

mfg_date: This is the manufacturing date of the product in YYYY-MM-DD format

expiry_date: This is the expiry date of the product in YYYY-MM-DD format

Message: This is our message configured against the code associated with the batch and product. We try to restrict the message lengths to 150 to 158 characters as same message is delivered via SMS as well.

Status: Please refer PharmaSecure Code Status Types


Full URL for JSON output type:

URL/index.php?key=<API_key>&type=ca&send=<mobile_number>&msg=<code>&browser=<browser_of_the_user>&version=<browser_version>&os=<operating_system_of_user>&source=web&o=json

Output:

```
{
  "codes": {
    "codeobj": {
      "code": "6WH8XXWB",
      "batch": "20558",
      "BatchName": "nitin123",
      "product": "Digitaleducation",
      "manufacturer": "extramarks",
      "mfg_date": "2016-07-01",
      "expiry_date": "2017-06-30",
      "mobile_number": "910000000000",
      "message": "!!!Warning!!! Oververified code by 9 times !! Please contact the chemist for further assistance.",
      "status": "oververified"
    }
  }
}
```

The details are same as that of the XML call

 PharmaSecure	Template	Document Number	Effective Date
	PharmaSecure API Integration	N/A	11 th Nov 2015

Invalid Code Response

The invalid code response will generate following output

XML Output:

```
<?xml version="1.0"?>
<codes>
  <codeobj>
    <message>Validation message</message>
    <status>Code status</status>
  </codeobj>
</codes>
```

JSON Output:

```
{"codes":{"codeobj":{"message":"Validation message","status":"Code status"}}
```

Message Status Types


Following are the code status types:

valid: The code is valid

oververified: The code is valid, but has been verified more than x times. Where x is configurable in the system.

expired: The code is of a product, whose expiry date has gone.

invalid: The code is invalid

 PharmaSecure	Template	Document Number	Effective Date
	PharmaSecure API Integration	N/A	11 th Nov 2015

Error Responses

XML Output:

```
<?xml version="1.0"?>
<result>
  <error>
    <code>Error code</code>
    <message>Error message</message>
  </error>
</result>
```

JSON Output:

```
{"result":{"error":{"code":"Error code","message":"Error message"}}
```

Error Codes

- 1001:** A required parameter is missing.
- 1002:** Unknown parameter is defined.
- 1003:** Invalid API key.
- 1004:** Invalid request type.
- 1005:** The value of parameter is missing.
- 1006:** Parameter/s missing.
- 1007:** Required library APC not enabled on server.
- 1008:** Invalid value for a parameter.
- 1009:** Invalid source.