

### 3 Sybilla US-05 04.03.2025r

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **43**
- SRM **4.1**
- Style **Extra Special/Strong Bitter (English Pale Ale)**

#### Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **25 %/h**
- Boil size **30.8 liter(s)**

#### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.7 liter(s) / kg**
- Mash size **16.7 liter(s)**
- Total mash volume **21.2 liter(s)**

#### Steps

- Temp **63 C**, Time **20 min**
- Temp **67 C**, Time **40 min**
- Temp **73 C**, Time **5 min**

#### Mash step by step

- Heat up **16.7 liter(s)** of strike water to **68.8C**
- Add grains
- Keep mash **20 min** at **63C**
- Keep mash **40 min** at **67C**
- Keep mash **5 min** at **73C**
- Sparge using **18.6 liter(s)** of **76C** water or to achieve **30.8 liter(s)** of wort

#### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Crisp Pale Ale	3 kg (66.7%)	80 %	5
Grain	Strzegom Wiedeński	1 kg (22.2%)	79 %	10
Grain	Pszoniczny	0.5 kg (11.1%)	85 %	4

#### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	25 g	60 min	11 %
Aroma (end of boil)	Sybilla	50 g	10 min	7 %

#### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	200 ml	Fermentis

#### Extras

Type	Name	Amount	Use for	Time
Fining	Whirlfloc T	1 g	Boil	5 min