

miodo

- Gravity **19.1 BLG**
- ABV **8.3 %**
- IBU **19**
- SRM **3.1**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **16 liter(s)**
- Trub loss **5 %**
- Size with trub loss **16.8 liter(s)**
- Boil time **30 min**
- Evaporation rate **10 %/h**
- Boil size **19.3 liter(s)**

Mash information

- Mash efficiency **100 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size --- **liter(s)**
- Total mash volume --- **liter(s)**

Steps

- Temp **64 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **liter(s)** of strike water to **C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **10 min** at **78C**
- Sparge using **liter(s)** of **C** water or to achieve **19.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Liquid Extract	Honey	5 kg (100%)	75 %	2

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Mandarina Bavaria	20 g	30 min	10 %
Whirlpool	Sybilla	20 g	30 min	3.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Saflager S-189	Lager	Slant	500 ml	Fermentis