

Amarillo IPA

- Gravity **14.5 BLG**
- ABV **6 %**
- IBU **50**
- SRM **5.7**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **4 %**
- Size with trub loss **21.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **23.5 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **2.7 liter(s) / kg**
- Mash size **14.3 liter(s)**
- Total mash volume **19.6 liter(s)**

Steps

- Temp **66 C**, Time **1 min**
- Temp **63 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **14.3 liter(s)** of strike water to **71C**
- Add grains
- Keep mash **60 min** at **63C**
- Keep mash **1 min** at **66C**
- Keep mash **10 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **14.5 liter(s)** of **76C** water or to achieve **23.5 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Briess - Pale Ale Malt	5 kg (94.3%)	80 %	7
Grain	Carahell	0.3 kg (5.7%)	77 %	26

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	20 g	60 min	12.6 %
Boil	Magnum	10 g	30 min	12.6 %
Boil	Amarillo	10 g	30 min	7.1 %
Boil	Amarillo	10 g	20 min	7.1 %
Boil	Amarillo	20 g	5 min	7.1 %
Dry Hop	Amarillo	15 g	4 day(s)	7.1 %

Yeasts

Name	Type	Form	Amount	Laboratory
us-05	Ale	Dry	11 g	fermentis