

## 10# AIPA 16 blg

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **47**
- SRM **8.1**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **120 min**
- Evaporation rate **10 %/h**
- Boil size **28.8 liter(s)**

### Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

### Steps

- Temp **65 C**, Time **40 min**
- Temp **71 C**, Time **30 min**
- Temp **76 C**, Time **5 min**

### Mash step by step

- Heat up **18 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **40 min** at **65C**
- Keep mash **30 min** at **71C**
- Keep mash **5 min** at **76C**
- Sparge using **16.8 liter(s)** of **76C** water or to achieve **28.8 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	5 kg (83.3%)	85 %	7
Grain	weyermann - monachijski typ I	0.7 kg (11.7%)	78 %	15
Grain	breferm cara crystal	0.3 kg (5%)	70 %	120

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cascade	30 g	105 min	6 %
Boil	Cascade	30 g	65 min	6 %
Boil	Willamette	30 g	20 min	5 %
Aroma (end of boil)	Willamette	30 g	1 min	5 %
Dry Hop	Cascade	30 g	5 day(s)	6 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Danstar - Nottingham	Ale	Dry	11 g	Danstar