

# AUSPA

- Gravity **16.8 BLG**
- ABV **7.1 %**
- IBU **74**
- SRM **12.1**
- 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 **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.5 liter(s)**
- Total mash volume **26 liter(s)**

## Steps

- Temp **62 C**, Time **30 min**
- Temp **72 C**, Time **30 min**

## Mash step by step

- Heat up **19.5 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **30 min** at **62C**
- Keep mash **30 min** at **72C**
- Sparge using **13.4 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	4 kg (61.5%)	85 %	7
Grain	Weyermann - Carared	1 kg (15.4%)	75 %	45
Grain	Weyermann - Carapils	1 kg (15.4%)	78 %	4
Grain	Weyermann Caramunich 3	0.5 kg (7.7%)	76 %	150

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Enigma (AUS)	40 g	60 min	17.2 %
Aroma (end of boil)	Enigma (AUS)	40 g	5 min	17.2 %
Aroma (end of boil)	Enigma (AUS)	20 g	0 min	17.2 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis

## Extras

Type	Name	Amount	Use for	Time
Fining	mech irlandzki	3 g	Boil	10 min