# duzy

- Gravity 15.2 BLG
- ABV 6.3 %
- IBU **61**
- SRM **5.2**
- Style American IPA

#### **Batch size**

- Expected quantity of finished beer 24 liter(s)
- Trub loss 5 %
- Size with trub loss 25.2 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 33 liter(s)

#### **Mash information**

- Mash efficiency 80 %
- Liquor-to-grist ratio 3 liter(s) / kg Mash size 22.7 liter(s)
- Total mash volume 30.2 liter(s)

## **Steps**

- Temp **63 C**, Time **45 min** Temp **71 C**, Time **25 min**
- Temp 77 C, Time 10 min

### Mash step by step

- Heat up 22.7 liter(s) of strike water to 70.2C
- Add grains
- Keep mash 45 min at 63C
- Keep mash 25 min at 71C
- Keep mash 10 min at 77C
- Sparge using 17.9 liter(s) of 76C water or to achieve 33 liter(s) of wort

#### **Fermentables**

Туре	Name	Amount	Yield	EBC
Grain	Simpsons - Maris Otter	5 kg <i>(66.2%)</i>	81 %	6
Grain	Briess - Pilsen Malt	1 kg <i>(13.2%)</i>	80.5 %	2
Grain	Munich Malt	0.75 kg <i>(9.9%)</i>	80 %	18
Grain	Płatki owsiane	0.4 kg <i>(5.3%)</i>	60 %	3
Grain	Corn, Flaked	0.4 kg (5.3%)	80 %	2

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	25 g	60 min	13.2 %
Boil	Chinook	25 g	30 min	13 %
Aroma (end of boil)	Amarillo	20 g	10 min	9.5 %
Whirlpool	Mosaic	20 g	30 min	10 %
Whirlpool	Amarillo	20 g	30 min	9.5 %

## **Yeasts**

Name Type	Form	Amount	Laboratory
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Mangrove Jack's Ale M12 Voss Kveik	Dry	10 g	Mangrove Jack's
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