Działkowe IPA (Castle Pale Ale)

- Gravity 12.1 BLG
- ABV ----
- IBU **36**
- SRM **6.3**
- Style American IPA

Batch size

- Expected quantity of finished beer 20 liter(s)
- Trub loss 5 %
- Size with trub loss 21 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 25.3 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 13.2 liter(s)
- Total mash volume 17.6 liter(s)

Steps

- Temp **65 C**, Time **50 min** Temp **72 C**, Time **15 min**
- Temp 77 C, Time 10 min

Mash step by step

- Heat up 13.2 liter(s) of strike water to 72.5C
- Add grains
- Keep mash 50 min at 65C
- Keep mash 15 min at 72C
- Keep mash 10 min at 77C
- Sparge using 16.5 liter(s) of 76C water or to achieve 25.3 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Castle Pale Ale	3.7 kg (84.1%)	80 %	8
Grain	Caramunich® typ I	0.2 kg <i>(4.5%)</i>	73 %	80
Grain	Weyermann pszeniczny jasny	0.5 kg <i>(11.4%)</i>	80 %	6

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	10 g	50 min	13.2 %
Boil	Simcoe	15 g	20 min	13.2 %
Aroma (end of boil)	Cascade DE	20 g	10 min	7.1 %
Dry Hop	Cascade DE	80 g	7 day(s)	7.1 %

Yeasts

Name	Туре	Form	Amount	Laboratory
WLP001 - California Ale Yeast	Ale	Liquid	40 ml	White Labs

Extras

Туре	Name	Amount	Use for	Time
Fining	Irish Moss	5 g	Boil	10 min