

SHIPA CASCADE

- Gravity **16.5 BLG**
- ABV ---
- IBU **61**
- SRM **10.8**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.3 liter(s)**
- Total mash volume **23 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	4 kg (69.6%)	85 %	7
Grain	Pilzneński	0.5 kg (8.7%)	81 %	4
Grain	Strzegom Wiedeński	1 kg (17.4%)	79 %	10
Grain	Strzegom Karmel 30	0.25 kg (4.3%)	75 %	150

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cascade	70 g	60 min	6.7 %
Aroma (end of boil)	Cascade	30 g	15 min	6.7 %
Aroma (end of boil)	Cascade	40 g	5 min	6.7 %
Dry Hop	Cascade	30 g	7 day(s)	6.7 %

Yeasts

Name	Type	Form	Amount	Laboratory
Mangrove Jack's M44 US West Coast	Ale	Dry	10 g	Mangrove Jack's