

Tsunami - Imperial Baltic Porter

- Gravity **23.1 BLG**
- ABV **10.5 %**
- IBU **34**
- SRM **47.9**
- Style **Baltic Porter**

Batch size

- Expected quantity of finished beer **13 liter(s)**
- Trub loss **10 %**
- Size with trub loss **14.3 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **17.6 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.1 liter(s) / kg**
- Mash size **13.9 liter(s)**
- Total mash volume **20.5 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	3 kg (45.5%)	80 %	4
Grain	Weyermann - Wędzon Bukiem	1 kg (15.2%)	75 %	5
Grain	Strzegom Czekoladowy jasny	0.5 kg (7.6%)	68 %	400
Grain	Weyermann pszeniczny czekoladowy	0.3 kg (4.5%)	65 %	1050
Grain	Weyermann żytni czekoladowy	0.3 kg (4.5%)	65 %	650
Grain	Strzegom Monachijski typ II	1.5 kg (22.7%)	79 %	22

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Warrior	15 g	60 min	15.5 %
Aroma (end of boil)	Warrior	15 g	10 min	15.5 %

Extras

Type	Name	Amount	Use for	Time
Spice	sól	7 g	Boil	10 min