

Apa

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **85**
- SRM **5.5**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **6 %**
- Size with trub loss **27.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **33 liter(s)**

Mash information

- Mash efficiency **82 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.5 liter(s)**
- Total mash volume **26 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|---------------|-------|-----|
| Grain | Viking Pale Ale malt | 6 kg (92.3%) | 80 % | 5 |
| Grain | Strzegom Karmel 50 | 0.5 kg (7.7%) | 75 % | 50 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|----------|--------|--------|------------|
| Boil | Galaxy | 50 g | 60 min | 16.5 % |
| Boil | Amarillo | 50 g | 2 min | 8.4 % |
| Aroma (end of boil) | Amarillo | 50 g | 10 min | 10.1 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-----------------------------|------|-------|---------|------------------|
| FM54 Gorączka kalifornijska | Ale | Slant | 1000 ml | Fermentum Mobile |